

Příloha 2

PROTOKOL POLÁRNÍ METODA

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== 1 Polární metoda =====
      ČÍSLO BODU      DÉLKA      VÝŠC  VOD.ÚHEL      ZENIT  P.DOM  P.KOL
1: 000000 00000 4011      35.139  2  1.680  323.4130  97.6318
2: 000000 00000 4012      41.055  2  1.680  211.8740  94.7876

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Odchyšky dle KatV ve znění č.357/2013, body přílohy 13(15)

Měřená délka = 58.516 Vypočtená délka = 58.514

Odch = -0.002 Mezní KK[3] = 0.356 ANO

ANO

Trig.určení výšky vol.stanoviska, odchyšky v určení z jednotlivých bodů :

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      000000 00000 4011      -0.010  ANO
      000000 00000 4012      0.010  ANO

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ST: 000000 00000 4010 864449.593 1039033.806 692.138 [3]

Příloha KV odstavec 13.6(15.4)

	Rozdíl délek:	Mezní rozdíl:	Odch.or.pos od prům.:	Váha měření:	Normovaná odchyška:	Rozdíl
výšek:						
1: 000000 00000 4011	-0.001	0.121	0.0000	0.858	0.0000	
0.010						
2: 000000 00000 4012	-0.001	0.127	-0.0000	1.000	-0.0000	-
0.010						

Orientační posun = 75.3752 g

m0 = SQRT([pvv]/(n-1)) = 0.0000 g

mMAX a mezní hodnota norm.odch. = 0.0800 g

Normovaná odchyška = v*SQRT(p) ... kde v je odchyška a p je váha měření

Zavedené zkreslení délek: 0.999826335335

== Výpočet polygonového pořadu =====

Lokalita : Číslo polyg.pořadu: 0

Pořad : vetknutý Vyrovnání: transformací

==Číslo bodu===== Y ===== X ==

=====Směrník=====Délka=====

```

      000000 00000 4004      864026.884  1040182.841
      193.3150      86.335
      000000 00000 4005      864035.933  1040096.982
      184.6726      114.928
      000000 00000 4006      864063.337  1039985.369
      188.7200      184.087
      000000 00000 4007      864095.784  1039804.164
Součet délek v pořadu =      385.35
Délka spojnice konc.bodů =      384.894
Rozdíl spojnic konc.bodů =      0.033

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Minimalni delka strany = 86.33 [m]

Maximalni delka strany = 184.07 [m]

Max.pomer soused.stran = 1 : 1.6

Max.pomer stran v pořadu = 1 : 2.1

Max.vyboceni = 0.0 SPK

Max.odklon od SPK = 4.8 [g]

Pocet vrcholu = 4

== Výpočet výšek v polyg.pořadu S^ vyrovnáním =====

```

      000000 00000 4004      642.050
tam: neměřeno zpět: -2.776 rozdíl: oprava: 0.002
      000000 00000 4005      644.828
tam: 4.295 zpět: -4.303 rozdíl: -0.008 oprava: 0.002
      000000 00000 4006      649.129
tam: 8.456 zpět: neměřeno rozdíl: oprava: 0.005
      000000 00000 4007      657.590
Chyba ve výškovém uzávěru : 0.009

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== Výpočet polygonového pořadu =====
Lokalita :                               Číslo polyg.pořadu: 0
Pořad : jednostranně orientovaný         Vyrovnání: klasické

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==Číslo bodu===== Y ===== X ==
=====Směrník=====Délka=====

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```

Orient.posun= 249.9907
000000 00000 4002      863915.561  1040392.493
                    177.4587  116.712
000000 00000 4003      863956.028  1040283.021
                    160.8098  122.705
000000 00000 4004      864026.884  1040182.841
Součet délek v pořadu =      239.42
Polohová odchylka     =      0.02 [m]
Oy = -0.019           Ox =      0.001

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-----
Minimalni delka strany =      116.71 [m]
Maximalni delka strany =      122.71 [m]
Max.pomer sused.stran  = 1 : 1.1
Max.pomer stran v pořadu = 1 : 1.1
Max.vyboceni           =      0.1 SPK
Max.odklon od SPK      =      8.5 [g]
Pocet vrcholu          =      3

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== Výpočet výšek v polyg.pořadu S^ vyrovnáním =====

```

```

000000 00000 4002      633.642
tam: 3.692 zpět: -3.699 rozdíl: -0.008 oprava: 0.004
000000 00000 4003      637.341
tam: 4.704 zpět: neměřeno rozdíl: oprava: 0.005
000000 00000 4004      642.050
Chyba ve výškovém uzávěru : 0.008

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== 1 Polární metoda =====

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ČÍSLO BODU DĚLKA VÝŠC VOD.ÚHEL ZENIT P.DOM P.KOL
ST: 000000 00000 4016 výš.stroje: 1.522
1: 000000 00000 4015 185.286 2 1.680 153.0156 98.5276

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Příloha KV odstavec 13.6(15.4)

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	Rozdíl délek:	Mezní rozdíl:	Odch.or.pos od prům.:	Váha Normovaná měření: odchylnka:	Rozdíl
výšek:					
1: 000000 00000 4015	0.003	0.213	0.0000	1.000	0.0000

```

-----
Orientační posun = 391.7909 g
m0 = SQRT([pvv]/(n-1)) = 0.0000 g
mMAX a mezní hodnota norm.odch. = 0.0800 g
Normovaná odchylka = v*SQRT(p)... kde v je odchylka a p je váha měření
Zavedené zkreslení délek: 0.999842012905

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-- PODROBNÉ BODY -----

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000000 00000 4017 214.847 2 1.680 353.7108 102.9902

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== 1 Polární metoda =====

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ČÍSLO BODU DĚLKA VÝŠC VOD.ÚHEL ZENIT P.DOM P.KOL
ST: 000000 00000 4001 výš.stroje: 1.446
1: 000000 00000 4002 66.799 2 1.680 154.7546 94.8116

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Příloha KV odstavec 13.6(15.4)

```

	Rozdíl délek:	Mezní rozdíl:	Odch.or.pos od prům.:	Váha Normovaná měření: odchylnka:	Rozdíl
výšek:					
1: 000000 00000 4002	-0.021	0.148	0.0000	1.000	0.0000

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-----
Orientační posun = 27.1067 g
m0 = SQRT([pvv]/(n-1)) = 0.0000 g

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mMAX a mezní hodnota norm.odch. = 0.0800 g
 Normovaná odchylka = $v \cdot \sqrt{p}$... kde v je odchylka a p je váha měření
 Zavedené zkreslení délek: 0.999837276674

-- PODROBNÉ BODY -----

000000	000000	0501	120.701	2	1.680	355.8996	102.8608
000000	000000	0502	121.533	2	1.680	355.0850	102.8490
000000	000000	0503	126.985	2	1.680	360.3984	102.6682
000000	000000	0504	130.631	2	1.680	358.9506	102.7180
000000	000000	0505	132.661	2	1.680	358.5620	102.6760
000000	000000	0506	120.650	2	1.680	358.2622	102.9756
000000	000000	0507	121.043	2	1.680	358.2066	102.9470
000000	000000	0508	122.169	2	1.680	360.0606	102.9360
000000	000000	0509	123.747	2	1.680	362.7774	102.2446
000000	000000	0510	119.794	2	1.680	362.1350	102.8044
000000	000000	0511	120.936	2	1.680	358.9098	103.3410
000000	000000	0512	121.265	2	1.680	359.1146	103.4576
000000	000000	0513	121.447	2	1.680	359.3152	103.4428
000000	000000	0514	121.615	2	1.680	359.5518	103.2874
000000	000000	0515	121.325	2	1.680	359.2558	103.5062
000000	000000	0516	112.593	2	1.680	361.7410	103.4450
000000	000000	0517	113.464	2	1.680	361.8798	103.2918
000000	000000	0518	111.209	2	1.680	362.5362	103.3388
000000	000000	0519	104.552	2	1.680	364.7422	103.3792
000000	000000	0520	104.456	2	1.680	364.6780	103.5188
000000	000000	0521	104.310	2	1.680	364.4904	103.5014
000000	000000	0522	105.157	2	1.680	363.5994	103.2476
000000	000000	0523	103.462	2	1.680	363.5996	103.0404
000000	000000	0524	102.950	2	1.680	363.1198	102.9236
000000	000000	0525	104.030	2	1.680	364.3966	102.8714
000000	000000	0526	103.675	2	1.680	364.5100	102.8562
000000	000000	0527	105.072	2	1.680	365.4508	103.0244
000000	000000	0528	104.733	2	1.680	365.5792	102.9804
000000	000000	0529	100.270	2	1.680	365.7574	102.7814
000000	000000	0530	97.669	2	1.680	361.3690	102.7064
000000	000000	0531	105.608	2	1.680	362.1208	102.8386
000000	000000	0532	106.705	2	1.680	366.1870	103.1760
000000	000000	0533	107.203	2	1.680	366.2918	103.4192
000000	000000	0534	104.438	2	1.680	364.5828	103.4996
000000	000000	0535	108.542	2	1.680	366.8224	103.3782
000000	000000	0536	109.438	2	1.680	366.9574	103.1886
000000	000000	0537	111.849	2	1.680	367.1032	102.6728
000000	000000	0538	114.007	2	1.680	365.6798	102.6958
000000	000000	0539	107.405	2	1.680	372.3274	102.5674
000000	000000	0540	106.674	2	1.680	372.1944	103.2220
000000	000000	0541	104.161	2	1.680	372.2556	103.2480
000000	000000	0542	101.822	2	1.680	371.5652	102.8570
000000	000000	0543	100.868	2	1.680	374.2636	102.9894
000000	000000	0544	99.729	2	1.680	368.5050	102.7760
000000	000000	0545	87.764	2	1.680	367.7780	102.6912
000000	000000	0546	94.250	2	1.680	377.9600	102.8720
000000	000000	0547	93.417	2	1.680	380.3314	103.3528
000000	000000	0548	93.413	2	1.680	381.6964	103.3776
000000	000000	0549	93.313	2	1.680	383.2914	102.5000
000000	000000	0550	81.656	2	1.680	392.0646	101.2944
000000	000000	0551	79.204	2	1.680	387.4662	102.0126
000000	000000	0552	77.965	2	1.680	386.8630	102.1082
000000	000000	0553	77.837	2	1.680	386.6598	102.1266
000000	000000	0554	78.068	2	1.680	386.5754	102.1102
000000	000000	0555	77.573	2	1.680	386.1268	102.4346
000000	000000	0556	78.739	2	1.680	386.3208	102.0904
000000	000000	0557	78.975	2	1.680	386.2492	102.0812
000000	000000	0558	79.078	2	1.680	386.4616	102.0746
000000	000000	0559	78.740	2	1.680	385.7008	102.4054
000000	000000	0560	78.417	2	1.680	386.2804	102.6622
000000	000000	0561	78.228	2	1.680	385.9366	102.8082
000000	000000	0562	74.379	2	1.680	390.1824	102.6040
000000	000000	0563	75.166	2	1.680	387.9258	102.8436
000000	000000	0564	76.066	2	1.680	388.0546	102.3508

000000	00000	0565	77.410	2	1.680	386.1362	103.3926
000000	00000	0566	75.291	2	1.680	386.8830	103.2682
000000	00000	0567	73.838	2	1.680	386.9218	102.5264
000000	00000	0568	73.024	2	1.680	386.0962	102.5374
000000	00000	0569	72.790	2	1.680	385.4646	103.2972
000000	00000	0570	63.218	2	1.680	390.7984	102.2450
000000	00000	0571	62.990	2	2.880	389.8704	102.2808
000000	00000	0572	59.347	2	2.880	390.8340	102.6028
000000	00000	0573	60.179	2	2.880	391.1728	102.4610
000000	00000	0574	59.769	2	2.880	391.6026	100.9840
000000	00000	0575	58.468	2	2.880	389.9760	101.0816
000000	00000	0576	58.249	2	2.880	390.2660	101.0820
000000	00000	0577	58.548	2	2.880	389.7680	101.3930
000000	00000	0578	58.970	2	2.880	389.8674	102.6736
000000	00000	0579	62.290	2	2.880	394.7126	100.8980
000000	00000	0580	57.256	2	2.880	392.4406	100.8570
000000	00000	0581	56.886	2	2.880	392.0182	101.5270
000000	00000	0582	56.591	2	2.880	391.6108	101.5602
000000	00000	0583	56.306	2	2.880	390.5210	100.8482
000000	00000	0584	58.378	2	2.880	389.3650	100.8234
000000	00000	0585	60.284	2	2.880	388.4124	102.5276
000000	00000	0586	60.254	2	2.880	387.5014	100.9994
000000	00000	0587	62.002	2	2.880	387.7260	101.0792
000000	00000	0588	62.496	2	2.880	388.5118	102.3084
000000	00000	0589	71.818	2	2.880	384.0416	102.2500
000000	00000	0590	74.682	2	2.880	382.4160	102.2282
000000	00000	0591	77.180	2	2.880	382.4644	102.7640
000000	00000	0592	78.493	2	2.880	383.2996	102.7042
000000	00000	0593	78.528	2	2.880	382.5652	101.8136
000000	00000	0594	77.740	2	1.680	381.7914	102.4606
000000	00000	0595	75.097	2	1.680	381.4350	102.3730
000000	00000	0596	71.498	2	1.680	383.5550	102.4178
000000	00000	0597	56.249	2	1.680	377.9922	102.5018
000000	00000	0598	46.678	2	1.680	395.6074	102.3818
000000	00000	0599	36.491	2	1.680	3.0116	102.5296
000000	00000	0600	36.243	2	1.680	5.0554	103.2180
000000	00000	0601	36.685	2	1.680	7.0438	103.3296
000000	00000	0602	37.230	2	1.680	7.6216	102.6050
000000	00000	0603	31.722	2	1.680	11.4842	102.7990
000000	00000	0604	27.353	2	1.680	23.5670	102.1062
000000	00000	0605	24.704	2	1.680	30.6408	102.3752
000000	00000	0606	23.355	2	1.680	28.5830	104.4834
000000	00000	0607	22.220	2	1.680	27.9182	104.7190
000000	00000	0608	20.573	2	1.680	24.2486	101.5256
000000	00000	0609	14.596	2	1.680	17.7618	101.8390
000000	00000	0610	18.748	2	1.680	49.3072	102.6498
000000	00000	0611	19.795	2	1.680	49.2214	104.9294
000000	00000	0612	23.104	2	1.680	48.0776	103.8210
000000	00000	0613	24.096	2	1.680	48.0208	100.7876
000000	00000	0614	30.010	2	1.680	53.8564	100.5310
000000	00000	0615	22.339	2	1.680	71.6730	100.2510
000000	00000	0616	20.743	2	1.680	70.1002	104.4612
000000	00000	0617	19.838	2	1.680	74.2266	104.3184
000000	00000	0618	19.015	2	1.680	74.5348	104.5592
000000	00000	0619	16.627	2	1.680	78.0152	100.7430
000000	00000	0620	22.185	2	1.680	153.0582	96.3374
000000	00000	0621	24.760	2	1.680	155.4162	96.6524
000000	00000	0622	33.306	2	1.680	128.4214	96.9218
000000	00000	0623	31.295	2	1.680	124.8080	96.9084
000000	00000	0624	40.797	2	1.680	113.1428	97.0004
000000	00000	0625	43.493	2	1.680	118.1362	97.6514
000000	00000	0626	38.101	2	1.680	124.8480	98.2464
000000	00000	0627	29.990	2	1.680	112.4368	97.9614
000000	00000	0628	32.991	2	1.680	118.1444	97.5792
000000	00000	0629	30.726	2	1.680	121.9446	101.3718
000000	00000	0630	30.967	2	1.680	120.7226	101.1130
000000	00000	0631	30.309	2	1.680	122.7814	100.9948
000000	00000	0632	28.823	2	1.680	127.1556	97.2666

000000	00000	0633	35.427	2	1.680	131.7878	97.5084
000000	00000	0634	38.230	2	1.680	122.8202	97.4824
000000	00000	0635	36.527	2	2.880	128.2938	98.7022
000000	00000	0636	36.950	2	2.880	126.9396	98.6392
000000	00000	0637	36.719	2	2.880	127.5604	98.8218
000000	00000	0638	32.068	2	1.680	145.3100	96.2268
000000	00000	0639	33.270	2	1.680	150.8408	96.1554
000000	00000	0640	42.564	2	1.680	148.0528	97.6038
000000	00000	0641	41.843	2	1.680	135.8386	97.6320
000000	00000	0642	52.082	2	1.680	142.0312	97.7342
000000	00000	0643	52.488	2	1.680	132.7206	98.7492
000000	00000	0644	57.758	2	1.680	135.7976	97.7660
000000	00000	0645	56.968	2	1.680	132.6656	99.4872
000000	00000	0646	58.313	2	1.680	132.2982	99.6172
000000	00000	0647	58.286	2	1.680	131.6630	99.6108
000000	00000	0648	58.698	2	1.680	128.5776	98.3520
000000	00000	0649	51.301	2	1.680	124.1986	98.4706
000000	00000	0650	54.921	2	1.680	124.2788	98.2816
000000	00000	0651	59.895	2	1.680	129.6994	98.2808
000000	00000	0652	61.346	2	1.680	130.7364	98.6970
000000	00000	0653	62.589	2	1.680	130.9910	98.8326
000000	00000	0654	62.400	2	1.680	134.8978	97.5132
000000	00000	0655	64.669	2	1.680	136.2524	96.7570
000000	00000	0656	66.932	2	1.680	139.6378	96.0326
000000	00000	0657	68.031	2	1.680	141.8940	95.1224
000000	00000	0658	66.204	2	1.680	148.7668	94.9096
000000	00000	0659	60.780	2	1.680	148.8622	97.2464

== 1 Polární metoda =====

ST:	ČÍSLO	BODU	DĚLKA	VÝŠC	VOD.ÚHEL	ZENIT	P.DOM	P.KOL
			výš.stroje:	1.460				
1:	000000	00000	4001	66.754	2	1.680	131.8706	104.7684
2:	000000	00000	4003	116.800	2	1.680	327.4646	97.8672

Příloha KV odstavec 13.6(15.4)

výšek:	Rozdíl délek:	Mezní rozdíl:	Odch.or.pos od prům.:	Váha Normovaná měření:	Rozdíl odchylnka:			
1:	000000	00000	4001	-0.020	0.148	0.0022	0.570	0.0016
0.010								
2:	000000	00000	4003	-0.003	0.180	-0.0012	1.000	-0.0012
0.007								

Orientační posun = 249.9928 g
 $m_0 = \sqrt{[pvv]/(n-1)}$ = 0.0020 g
 m_{MAX} a mezní hodnota norm.odch. = 0.0800 g
Normovaná odchylnka = $v \cdot \sqrt{p}$... kde v je odchylnka a p je váha měření
Zavedené zkreslení délek: 0.999836412596

-- PODROBNÉ BODY --

000000	00000	0660	4.866	2	1.680	244.0530	99.0256
000000	00000	0661	5.256	2	1.680	252.0154	107.0600
000000	00000	0662	12.481	2	2.880	267.4220	105.1892
000000	00000	0663	14.981	2	1.680	265.5288	102.5864
000000	00000	0664	12.536	2	1.680	264.1492	100.9606
000000	00000	0665	12.436	2	1.680	258.7738	101.0366
000000	00000	0666	11.240	2	1.680	264.0786	101.2058
000000	00000	0667	11.323	2	1.680	266.2272	100.2658
000000	00000	0668	16.050	2	1.680	264.2790	99.6792
000000	00000	0669	15.502	2	1.680	267.9908	101.3324
000000	00000	0670	17.055	2	1.680	261.4958	99.9954
000000	00000	0671	14.866	2	1.680	265.5646	101.6246
000000	00000	0672	18.938	2	1.680	257.1090	103.3126
000000	00000	0673	21.061	2	1.680	257.5032	104.6364
000000	00000	0674	22.158	2	1.680	253.6208	105.4686
000000	00000	0675	23.069	2	1.680	257.4180	104.6540
000000	00000	0676	21.785	2	2.880	244.7278	104.1634
000000	00000	0677	21.456	2	2.880	236.7672	104.5348
000000	00000	0678	19.628	2	2.880	231.2778	103.0856
000000	00000	0679	21.434	2	2.880	225.2166	104.5208

000000	00000	0680	24.385	2	2.880	225.9482	107.2888
000000	00000	0681	23.206	2	2.880	222.5534	108.3772
000000	00000	0682	24.643	2	2.880	218.7300	108.2030
000000	00000	0683	25.813	2	2.880	220.6288	107.5714
000000	00000	0684	27.208	2	2.880	220.8806	104.8566
000000	00000	0685	29.413	2	2.880	232.8632	103.9896
000000	00000	0686	27.854	2	2.880	240.6034	104.2820
000000	00000	0687	26.997	2	2.880	241.0308	106.3100
000000	00000	0688	23.838	2	4.000	240.1022	104.2948
000000	00000	0689	29.117	2	2.880	245.2262	103.2952
000000	00000	0690	30.656	2	2.880	248.5588	103.0680
000000	00000	0691	32.751	2	2.880	254.0934	102.8918
000000	00000	0692	31.864	2	2.880	255.6144	104.7362
000000	00000	0693	35.262	2	1.680	257.2722	105.6126
000000	00000	0694	35.889	2	1.680	256.1858	104.7948
000000	00000	0695	34.931	2	1.680	251.2542	105.1920
000000	00000	0696	40.729	2	1.680	272.2710	102.4414
000000	00000	0697	41.178	2	1.680	269.4840	102.5210
000000	00000	0698	43.187	2	1.680	272.2498	101.5398
000000	00000	0699	39.218	2	2.880	274.6510	102.7210
000000	00000	0700	43.515	2	1.680	278.9360	103.4802
000000	00000	0701	44.612	2	1.680	276.9240	101.3780
000000	00000	0702	45.720	2	1.680	282.2432	101.1838
000000	00000	0703	45.167	2	1.680	282.4920	102.6570
000000	00000	0704	50.195	2	1.680	289.3770	100.2322
000000	00000	0705	49.783	2	1.680	290.4696	101.3052
000000	00000	0706	48.929	2	1.680	290.5352	101.7248
000000	00000	0707	47.819	2	1.680	290.3856	101.8102
000000	00000	0708	47.062	2	1.680	290.5656	101.5300
000000	00000	0709	45.736	2	1.680	292.0810	101.3092
000000	00000	0710	46.084	2	1.680	288.8374	101.6884
000000	00000	0711	46.683	2	1.680	288.3806	101.8904
000000	00000	0712	42.096	2	1.680	287.0700	101.8270
000000	00000	0713	42.635	2	1.680	285.6028	102.3894
000000	00000	0714	41.190	2	1.680	283.0402	102.7466
000000	00000	0715	40.313	2	2.880	282.4598	102.2566
000000	00000	0716	39.525	2	1.680	283.5134	102.5816
000000	00000	0717	37.304	2	1.680	280.7470	102.6362
000000	00000	0718	36.366	2	1.680	279.4614	102.4470
000000	00000	0719	32.164	2	1.680	276.8544	102.9136
000000	00000	0720	31.144	2	1.680	280.4726	102.8322
000000	00000	0721	36.110	2	2.880	274.0342	103.3276
000000	00000	0722	29.984	2	1.680	272.9554	103.7490
000000	00000	0723	27.607	2	1.680	269.2848	103.8306
000000	00000	0724	26.866	2	1.680	275.6146	104.5872
000000	00000	0725	24.244	2	1.680	261.9044	104.1224
000000	00000	0726	24.584	2	1.680	253.2052	105.9892
000000	00000	0727	27.583	2	1.680	265.5384	104.0604
000000	00000	0728	30.716	2	1.680	263.2436	105.1752
000000	00000	0729	23.493	2	1.680	282.3980	100.3776
000000	00000	0730	22.594	2	1.680	286.8568	99.8740
000000	00000	0731	22.333	2	1.680	288.7324	101.3960
000000	00000	0732	28.935	2	1.680	285.2170	100.5288
000000	00000	0733	33.128	2	1.680	290.8438	100.2866
000000	00000	0734	41.248	2	1.680	294.4572	100.0740
000000	00000	0735	41.101	2	1.680	304.3756	99.2290
000000	00000	0736	40.813	2	1.680	306.9780	100.6318
000000	00000	0737	55.921	2	1.680	312.6166	100.5388
000000	00000	0738	58.165	2	1.680	310.4478	99.0976
000000	00000	0739	71.525	2	1.680	317.6098	99.1662
000000	00000	0740	69.447	2	1.680	319.5338	100.4190
000000	00000	0741	73.629	2	1.680	326.1058	99.2858
000000	00000	0742	73.450	2	1.680	328.3652	99.1954
000000	00000	0743	72.209	2	1.680	327.4450	100.2030
000000	00000	0744	70.119	2	1.680	327.3558	100.5198
000000	00000	0745	70.294	2	1.680	327.3210	99.8678
000000	00000	0746	72.877	2	1.680	327.3212	99.7340
000000	00000	0747	45.160	2	1.680	297.2376	100.0374

000000	00000	0748	46.598	2	1.680	296.1796	101.6828
000000	00000	0749	47.911	2	1.680	295.9558	101.5658
000000	00000	0750	48.462	2	1.680	295.7338	101.3168
000000	00000	0751	51.035	2	1.680	294.2280	101.0004
000000	00000	0752	55.154	2	1.200	295.7704	101.1798
000000	00000	0753	60.835	2	1.680	300.1040	100.4920
000000	00000	0754	62.040	2	1.680	300.9278	100.8498
000000	00000	0755	59.416	2	1.680	301.0336	100.9374
000000	00000	0756	56.257	2	1.680	287.5948	96.5340
000000	00000	0757	67.431	2	1.680	298.7954	96.4904
000000	00000	0758	66.250	2	1.680	300.4612	97.6256
000000	00000	0759	84.420	2	1.680	308.7668	96.3056
000000	00000	0760	68.632	2	1.680	305.6180	98.6444
000000	00000	0761	63.941	2	1.680	301.5416	100.5686
000000	00000	0762	66.983	2	1.680	304.1900	99.8718
000000	00000	0763	67.636	2	1.680	307.3266	99.8392
000000	00000	0764	67.070	2	1.680	307.1118	100.2600
000000	00000	0765	66.512	2	1.680	307.5746	100.1700
000000	00000	0766	66.544	2	2.880	306.4908	99.8800
000000	00000	0767	64.585	2	1.680	306.4950	99.6674
000000	00000	0768	64.980	2	1.680	308.8742	99.2144
000000	00000	0769	60.765	2	1.680	304.7998	99.2676
000000	00000	0770	61.639	2	2.880	303.4822	99.6238
000000	00000	0771	75.010	2	1.680	313.4460	99.3364
000000	00000	0772	81.931	2	1.680	317.5920	99.1580
000000	00000	0773	82.718	2	1.680	316.8584	99.8414
000000	00000	0774	85.079	2	1.680	316.2032	99.9074
000000	00000	0775	85.266	2	1.680	315.6506	99.4032
000000	00000	0776	85.791	2	1.680	314.8434	99.0212
000000	00000	0777	84.748	2	1.680	314.6074	99.1154
000000	00000	0778	80.699	2	1.680	312.2744	98.8244
000000	00000	0779	76.890	2	1.680	309.3426	98.7168
000000	00000	0780	73.077	2	1.680	308.7386	98.6834
000000	00000	0781	91.152	2	1.680	316.3974	99.1328
000000	00000	0782	89.604	2	1.680	316.2810	99.3580
000000	00000	0783	88.970	2	1.680	317.9126	99.3760
000000	00000	0784	88.952	2	1.680	320.2244	99.3112
000000	00000	0785	87.748	2	1.680	320.2248	99.3444
000000	00000	0786	89.564	2	1.680	321.6194	99.3102
000000	00000	0787	88.726	2	1.680	322.1922	99.2602
000000	00000	0788	89.896	2	1.680	323.2520	99.2842
000000	00000	0789	90.597	2	1.680	324.5720	99.1868
000000	00000	0790	91.151	2	1.680	325.2426	98.9486
000000	00000	0791	89.423	2	1.680	325.1932	98.9758
000000	00000	0792	89.746	2	1.680	325.3768	98.9254
000000	00000	0793	90.145	2	1.680	325.1842	98.9914
000000	00000	0794	90.375	2	1.680	326.9562	99.6718
000000	00000	0795	90.370	2	1.680	326.9358	99.6718
000000	00000	0796	89.812	2	1.680	325.9274	99.5292
000000	00000	0797	89.734	2	2.880	324.6452	99.1816
000000	00000	0798	89.208	2	2.880	325.2644	99.2018
000000	00000	0799	88.431	2	2.880	325.3760	99.2416
000000	00000	0800	88.089	2	2.880	325.4070	99.0628
000000	00000	0801	88.425	2	1.680	325.7948	99.5916
000000	00000	0802	88.452	2	1.680	325.4978	99.0024
000000	00000	0803	88.122	2	1.680	325.4574	98.9918
000000	00000	0804	87.985	2	1.680	328.6660	98.9920
000000	00000	0805	88.195	2	1.680	327.4242	99.5770
000000	00000	0806	85.216	2	1.680	330.7176	98.7500
000000	00000	0807	87.673	2	1.680	330.7234	98.8932
000000	00000	0808	95.295	2	1.680	332.3834	98.0340
000000	00000	0809	95.244	2	1.680	331.6733	98.0221
000000	00000	0810	95.334	2	1.680	330.5228	99.0404
000000	00000	0811	95.524	2	1.680	329.4700	99.2050
000000	00000	0812	95.495	2	1.680	328.8592	99.5586
000000	00000	0813	95.849	2	1.680	327.9044	99.5594
000000	00000	0814	96.419	2	1.680	327.2788	99.2190
000000	00000	0815	93.874	2	1.680	325.4134	99.1250

000000	00000	0816	96.778	2	1.680	325.3994	99.1846
000000	00000	0817	95.104	2	1.680	324.1746	99.2296
000000	00000	0818	96.068	2	1.680	323.0758	99.2010
000000	00000	0819	97.061	2	1.680	322.2660	99.0750
000000	00000	0820	94.682	2	1.680	320.9430	99.0866
000000	00000	0821	93.378	2	1.680	318.9704	99.1696
000000	00000	0822	98.751	2	1.680	317.4496	98.8930
000000	00000	0823	102.893	2	1.680	319.1650	98.8588
000000	00000	0824	107.132	2	1.680	320.2786	99.2036
000000	00000	0825	104.968	2	1.680	321.4630	99.0070
000000	00000	0826	102.452	2	1.680	323.7648	99.1324
000000	00000	0827	99.925	2	1.680	324.2216	99.1642
000000	00000	0828	99.929	2	1.680	325.9130	99.1646
000000	00000	0829	104.444	2	1.680	324.5620	99.2686
000000	00000	0830	104.398	2	1.680	323.6872	99.3454
000000	00000	0831	103.559	2	1.680	323.7704	99.1454
000000	00000	0832	101.379	2	1.680	326.5634	99.1912
000000	00000	0833	101.693	2	1.680	326.8896	99.4966
000000	00000	0834	106.694	2	1.680	324.5606	99.4506
000000	00000	0835	107.352	2	1.680	324.4312	99.1764
000000	00000	0836	108.021	2	1.680	327.3824	98.4056
000000	00000	0837	106.064	2	1.680	328.8534	98.1400
000000	00000	0838	104.636	2	1.680	327.2176	99.4622
000000	00000	0839	98.854	2	1.680	329.6208	99.1198
000000	00000	0840	98.877	2	1.680	328.8716	99.5168

```

== 1 Polární metoda =====
                ČÍSLO BODU      DÉLKA      VÝŠC      VOD.ÚHEL      ZENIT      P.DOM      P.KOL
ST: 000000 00000 4003      výš.stroje: 1.430
  1: 000000 00000 4002      116.785  2  1.680      121.0060      101.8808
  2: 000000 00000 4004      122.833  2  1.680      304.3556      97.4312
-----

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Příloha KV odstavec 13.6(15.4)

	Rozdíl délek:	Mezní rozdíl:	Odch.or.pos od prům.:	Váha Normovaná měření: odchylna:	Rozdíl
výšek:					
1: 000000 00000 4002	-0.003	0.180	0.0008	0.951	0.0008
0.000					
2: 000000 00000 4004	-0.008	0.183	-0.0007	1.000	-0.0007
0.005					

```

-----
Orientační posun = 256.4534 g
m0 = SQRT([pvv]/(n-1)) = 0.0011 g
mMAX a mezní hodnota norm.odch. = 0.0800 g
Normovaná odchylna = v*SQRT(p) ... kde v je odchylna a p je váha měření
Zavedené zkreslení délek: 0.999835756832

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-- PODROBNÉ BODY -----
000000 00000 0841      8.475  2  1.680      159.3000      113.1930
000000 00000 0842      8.962  2  1.680      145.3014      111.2664
000000 00000 0843      9.748  2  1.680      175.9486      112.7256
000000 00000 0844      8.769  2  1.680      199.7624      110.8008
000000 00000 0845      10.955  2  1.680      214.5218      108.8936
000000 00000 0846      13.389  2  1.680      190.0098      109.1204
000000 00000 0847      13.636  2  1.680      211.6456      109.3718
000000 00000 0848      13.855  2  1.680      216.6938      108.8882
000000 00000 0849      14.357  2  1.680      229.8424      106.0634
000000 00000 0850      19.815  2  1.680      220.2420      104.7334
000000 00000 0851      20.771  2  1.680      219.6734      106.9214
000000 00000 0852      21.194  2  1.680      213.2016      106.4598
000000 00000 0853      21.952  2  1.680      211.7878      104.4426
000000 00000 0854      19.707  2  1.680      187.8012      105.5942
000000 00000 0855      19.084  2  1.680      188.4572      107.9046
000000 00000 0856      16.846  2  1.680      191.8028      109.4888
000000 00000 0857      16.405  2  1.680      207.6562      108.9024
000000 00000 0858      16.063  2  1.680      208.1576      107.9330
000000 00000 0859      18.453  2  1.680      248.1452      103.2940
000000 00000 0860      26.229  2  1.680      230.9784      102.8014
000000 00000 0861      31.368  2  1.680      230.8816      102.1648
000000 00000 0862      32.604  2  1.680      230.8224      102.0604

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000000	00000	0863	34.283	2	1.680	233.8834	101.0614
000000	00000	0864	35.566	2	1.680	229.2222	102.9038
000000	00000	0865	36.023	2	1.680	227.1314	102.8034
000000	00000	0866	37.673	2	1.680	235.5782	102.3550
000000	00000	0867	36.588	2	1.680	234.8960	102.4882
000000	00000	0868	34.776	2	1.680	235.0360	101.1208
000000	00000	0869	33.646	2	1.680	239.9816	101.0974
000000	00000	0870	34.838	2	1.680	241.6006	102.6490
000000	00000	0871	35.602	2	1.680	243.8484	102.6648
000000	00000	0872	36.357	2	1.680	244.3664	101.7220
000000	00000	0873	38.607	2	1.680	239.1108	101.4992
000000	00000	0874	38.727	2	1.680	237.3324	101.4688
000000	00000	0875	38.717	2	1.680	225.3008	97.4152
000000	00000	0876	37.507	2	1.680	226.5238	98.7026
000000	00000	0877	31.507	2	1.680	213.9656	97.8320
000000	00000	0878	25.957	2	1.680	213.6232	102.7772
000000	00000	0879	28.040	2	1.680	213.7262	101.4052
000000	00000	0880	24.125	2	1.680	229.1248	104.5278
000000	00000	0881	23.937	2	1.680	234.1864	102.8492
000000	00000	0882	30.993	2	1.680	241.5626	101.3276
000000	00000	0883	26.977	2	1.680	253.5660	101.5770
000000	00000	0884	27.928	2	1.680	253.4580	102.8616
000000	00000	0885	28.819	2	1.680	250.4892	103.3424
000000	00000	0886	29.913	2	1.680	250.7128	103.0134
000000	00000	0887	31.082	2	1.680	251.3704	102.2252
000000	00000	0888	35.340	2	1.680	251.8590	101.5046
000000	00000	0889	36.457	2	1.680	250.5350	101.4544
000000	00000	0890	36.795	2	1.680	257.6426	100.5432
000000	00000	0891	35.166	2	1.680	259.2340	101.5280
000000	00000	0892	34.270	2	1.680	260.5280	102.5528
000000	00000	0893	42.333	2	1.680	258.9122	101.5650
000000	00000	0894	42.630	2	1.680	258.0052	100.1534
000000	00000	0895	41.033	2	1.680	263.0434	100.5950
000000	00000	0896	41.987	2	1.680	260.7298	101.5610
000000	00000	0897	40.304	2	1.680	266.8816	100.6240
000000	00000	0898	36.952	2	1.680	264.2710	100.2420
000000	00000	0899	35.745	2	1.680	263.1190	102.4362
000000	00000	0900	36.078	2	1.680	262.5172	102.0184
000000	00000	0901	33.866	2	1.680	267.2006	99.6038
000000	00000	0902	30.432	2	1.680	263.5500	100.0758
000000	00000	0903	32.594	2	1.680	262.9546	102.3874
000000	00000	0904	42.950	2	1.680	269.5054	99.6298
000000	00000	0905	44.889	2	1.680	269.1564	100.0384
000000	00000	0906	46.741	2	1.680	273.5380	99.4980
000000	00000	0907	46.344	2	1.680	275.7584	99.4471
000000	00000	0908	43.554	2	1.680	276.4838	99.3881
000000	00000	0909	43.680	2	2.700	277.2919	99.3882
000000	00000	0910	48.115	2	1.680	273.1158	100.3800
000000	00000	0911	47.550	2	1.680	271.7028	101.1264
000000	00000	0912	50.791	2	1.680	273.8172	100.0116
000000	00000	0913	50.820	2	1.680	276.3232	100.0080
000000	00000	0914	50.268	2	1.680	270.4600	99.5524
000000	00000	0915	48.925	2	1.680	270.4834	99.6850
000000	00000	0916	48.918	2	1.680	270.7392	100.5630
000000	00000	0917	47.826	2	1.680	269.1792	101.1938
000000	00000	0918	46.876	2	1.680	263.3470	99.8880
000000	00000	0919	44.382	2	1.680	253.1580	100.2848
000000	00000	0920	51.326	2	1.680	281.9392	99.3988
000000	00000	0921	46.865	2	1.680	284.3472	99.3390
000000	00000	0922	44.773	2	1.680	281.9276	99.6916
000000	00000	0923	43.694	2	1.680	282.3706	100.1102
000000	00000	0924	38.292	2	1.680	279.4796	98.4542
000000	00000	0925	36.531	2	1.680	289.0152	97.5540
000000	00000	0926	39.980	2	1.680	288.0066	98.2298
000000	00000	0927	41.008	2	2.500	286.1000	99.2164
000000	00000	0928	42.693	2	1.680	291.1382	98.3886
000000	00000	0929	43.362	2	1.680	297.9612	97.9244
000000	00000	0930	44.478	2	1.680	300.7694	97.9276

000000	00000	0931	42.768	2	1.680	305.2370	97.4000
000000	00000	0932	45.196	2	1.680	305.0304	98.2466
000000	00000	0933	46.036	2	1.680	303.8270	99.2186
000000	00000	0934	47.757	2	1.680	302.0128	99.3128
000000	00000	0935	48.841	2	1.680	300.4616	98.2444
000000	00000	0936	47.675	2	1.680	292.6478	98.5650
000000	00000	0937	46.591	2	2.200	292.5328	98.5054
000000	00000	0938	44.110	2	1.680	288.1154	98.9166
000000	00000	0939	43.824	2	2.200	288.7048	98.5612
000000	00000	0940	43.206	2	2.880	287.5714	99.2502
000000	00000	0941	60.145	2	1.680	288.6354	98.3888
000000	00000	0942	60.544	2	1.680	301.8730	98.1600
000000	00000	0943	61.208	2	1.680	301.9122	98.5562
000000	00000	0944	60.144	2	1.680	302.8668	99.2564
000000	00000	0945	55.656	2	1.680	300.2494	98.4242
000000	00000	0946	55.329	2	1.680	301.6672	99.3092
000000	00000	0947	54.222	2	1.680	303.2004	99.1714
000000	00000	0948	55.077	2	1.680	305.1632	98.5448
000000	00000	0949	58.061	2	1.680	305.9942	98.3628
000000	00000	0950	61.573	2	1.680	308.0046	98.4195
000000	00000	0951	62.746	2	1.680	306.8448	98.3318
000000	00000	0952	63.726	2	1.680	301.9898	98.3316
000000	00000	0953	62.749	2	1.680	301.7836	98.6550
000000	00000	0954	62.290	2	1.680	304.1276	98.6250
000000	00000	0955	61.059	2	2.200	304.7256	98.8144
000000	00000	0956	60.554	2	2.500	306.4995	98.6695
000000	00000	0957	51.852	2	1.680	309.1012	97.8188
000000	00000	0958	55.652	2	1.680	308.8504	97.9719
000000	00000	0959	49.133	2	1.680	308.9593	97.6925
000000	00000	0960	49.366	2	1.680	314.0730	96.7976
000000	00000	0961	60.761	2	1.680	316.5002	96.4844
000000	00000	0962	60.324	2	1.680	312.5540	97.1734

```

== 1 Polární metoda =====
                ČÍSLO BODU      DÉLKA      VÝŠC      VOD.ÚHEL      ZENIT      P.DOM      P.KOL
ST: 000000 00000 4004      výš.stroje: 1.440
  1: 000000 00000 4003      122.810  2  1.680      37.0278  102.3182
  2: 000000 00000 4005      86.389  2  1.680      269.5276  97.7808
-----

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Příloha KV odstavec 13.6(15.4)
                Rozdíl      Mezní      Odch.or.pos      Váha Normovaná      Rozdíl
                délek:      rozdíl:      od prům.:      měření:      odchylna:
výšek:
  1: 000000 00000 4003      -0.003      0.183      0.0022      1.000      0.0022
0.001
  2: 000000 00000 4005      0.012      0.161      -0.0032      0.704      -0.0027
0.007
-----

```

```

Orientační posun      = 323.7842 g
m0 = SQRT([pvv]/(n-1))      = 0.0035 g
mMAX a mezní hodnota norm.odch. = 0.0800 g
Normovaná odchylna = v*SQRT(p) ... kde v je odchylna a p je váha měření
Zavedené zkreslení délek: 0.999834977588

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-- PODROBNÉ BODY -----
000000 00000 0963      55.405  2  1.680      31.3646  102.8534
000000 00000 0964      55.338  2  1.680      32.7598  103.5228
000000 00000 0965      59.822  2  1.680      31.3584  103.5882
000000 00000 0966      57.314  2  1.680      35.6642  103.2110
000000 00000 0967      55.142  2  1.680      39.5943  103.4551
000000 00000 0968      53.980  2  1.680      42.8362  103.3552
000000 00000 0969      54.753  2  1.680      43.5458  103.9870
000000 00000 0970      52.897  2  1.680      44.2816  103.4452
000000 00000 0971      50.461  2  1.680      46.3752  103.4746
000000 00000 0972      49.807  2  1.680      49.7998  103.3006
000000 00000 0973      52.142  2  0.800      51.8784  104.3036
000000 00000 0974      53.405  2  1.000      51.8910  104.7044
000000 00000 0975      55.375  2  1.680      46.3714  103.9020
000000 00000 0976      56.658  2  1.680      46.4724  103.0834
000000 00000 0977      55.587  2  1.680      53.6044  102.6054

```

000000	00000	0978	54.685	2	1.680	53.6772	102.4568
000000	00000	0979	53.871	2	2.880	53.5422	102.5424
000000	00000	0980	47.527	2	1.680	53.5298	103.0960
000000	00000	0981	44.456	2	1.680	53.6498	103.1176
000000	00000	0982	41.915	2	1.680	52.1764	103.2118
000000	00000	0983	41.290	2	1.680	54.3834	103.5640
000000	00000	0984	39.639	2	1.680	50.3458	102.7966
000000	00000	0985	38.645	2	1.680	55.0358	103.0582
000000	00000	0986	36.561	2	1.680	48.6010	102.6610
000000	00000	0987	35.966	2	1.680	50.1976	105.0280
000000	00000	0988	36.954	2	1.680	58.0730	104.8306
000000	00000	0989	40.226	2	1.680	61.6316	104.4764
000000	00000	0990	40.372	2	1.680	61.0294	104.0936
000000	00000	0991	42.445	2	1.680	63.3598	104.3728
000000	00000	0992	42.609	2	1.680	65.9710	102.4650
000000	00000	0993	40.661	2	1.680	66.9402	102.2930
000000	00000	0994	37.838	2	1.680	69.0870	102.1044
000000	00000	0995	35.453	2	1.680	63.4864	102.5592
000000	00000	0996	36.276	2	1.680	60.3192	104.8906
000000	00000	0997	34.570	2	1.680	51.9852	105.1204
000000	00000	0998	31.873	2	1.680	58.4272	103.2896
000000	00000	0999	34.211	2	1.680	66.8408	102.3172
000000	00000	1000	31.791	2	1.680	77.1816	101.8066
000000	00000	1001	24.518	2	1.680	72.1016	102.5154
000000	00000	1002	22.493	2	1.680	66.5208	102.6428
000000	00000	1003	20.682	2	1.680	67.5902	101.9006
000000	00000	1004	23.620	2	1.680	58.6770	105.3408
000000	00000	1005	25.242	2	1.680	55.0038	106.3642
000000	00000	1006	28.993	2	1.680	56.1042	105.1760
000000	00000	1007	26.303	2	1.680	61.3184	103.1354
000000	00000	1008	28.565	2	1.680	63.0678	104.4088
000000	00000	1009	31.702	2	1.680	64.6976	104.2618
000000	00000	1010	30.644	2	1.680	72.7510	104.2194
000000	00000	1011	29.014	2	1.680	70.4552	103.8844
000000	00000	1012	27.218	2	1.680	74.4084	102.3676
000000	00000	1013	30.310	2	1.680	52.9656	105.4088
000000	00000	1014	30.438	2	1.680	49.7562	105.4752
000000	00000	1015	29.253	2	1.680	44.0508	102.9718
000000	00000	1016	26.767	2	1.680	30.9764	102.1518
000000	00000	1017	26.433	2	1.680	38.2226	102.0010
000000	00000	1018	24.356	2	1.680	40.0098	102.6878
000000	00000	1019	23.716	2	2.880	43.3140	104.4376
000000	00000	1020	22.899	2	2.880	40.5752	101.7812
000000	00000	1021	24.705	2	1.680	31.4916	103.7908
000000	00000	1022	20.708	2	1.680	26.6880	104.7760
000000	00000	1023	14.377	2	1.680	22.9098	107.9590
000000	00000	1024	16.618	2	1.680	11.1298	106.4494
000000	00000	1025	17.089	2	1.680	13.8406	105.4574
000000	00000	1026	19.458	2	1.680	24.9344	104.4470
000000	00000	1027	20.377	2	1.680	24.1074	103.0108
000000	00000	1028	19.657	2	1.680	12.8676	101.6914
000000	00000	1029	15.713	2	1.680	6.3696	107.2080
000000	00000	1030	14.973	2	1.680	4.0316	104.0778
000000	00000	1031	12.337	2	1.680	27.7676	103.6094
000000	00000	1032	13.365	2	1.680	23.4914	108.7798
000000	00000	1033	15.821	2	1.680	33.2878	107.5000
000000	00000	1034	15.511	2	1.680	35.9030	103.3182
000000	00000	1035	18.045	2	1.680	46.4316	103.9220
000000	00000	1036	18.571	2	1.680	45.7810	105.1722
000000	00000	1037	21.322	2	1.680	50.3538	104.7772
000000	00000	1038	22.981	2	1.680	50.0258	103.7126
000000	00000	1039	23.516	2	1.680	45.8918	103.8104
000000	00000	1040	22.465	2	1.680	44.5510	104.9296
000000	00000	1041	24.111	2	2.880	47.3324	103.7278
000000	00000	1042	24.057	2	1.680	14.8232	101.3296
000000	00000	1043	23.491	2	1.680	6.4890	100.9442
000000	00000	1044	25.312	2	1.680	18.6718	102.9612
000000	00000	1045	30.928	2	1.680	16.2814	103.0842

000000	00000	1046	31.414	2	1.680	14.6224	101.3068
000000	00000	1047	36.408	2	1.680	11.9244	100.2426
000000	00000	1048	36.623	2	1.680	8.9000	99.8170
000000	00000	1049	37.210	2	1.680	4.1840	100.2208
000000	00000	1050	35.681	2	1.680	399.7638	99.6444
000000	00000	1051	35.978	2	1.680	2.3184	99.6844
000000	00000	1052	39.320	2	1.680	399.8156	101.0268
000000	00000	1053	41.956	2	1.680	399.4408	99.3578
000000	00000	1054	41.875	2	1.680	6.9620	100.2874
000000	00000	1055	40.200	2	1.680	7.3664	100.9950
000000	00000	1056	39.032	2	1.680	16.2154	101.4498
000000	00000	1057	39.498	2	1.680	18.0878	101.1478
000000	00000	1058	32.823	2	1.680	22.5600	101.5394
000000	00000	1059	31.996	2	1.680	19.8098	103.0178
000000	00000	1060	28.115	2	1.680	392.6746	99.9236
000000	00000	1061	28.053	2	1.680	389.7852	100.5228
000000	00000	1062	28.506	2	1.680	386.0582	99.4322
000000	00000	1063	34.230	2	1.680	385.0290	98.5340
000000	00000	1064	31.743	2	1.680	388.1584	100.5200
000000	00000	1065	30.692	2	1.680	391.0236	99.4260
000000	00000	1066	25.719	2	1.680	384.9054	99.7328
000000	00000	1067	26.395	2	1.680	376.8208	100.1318
000000	00000	1068	24.441	2	1.680	397.1524	100.3798
000000	00000	1069	24.232	2	1.680	390.9646	100.0164
000000	00000	1070	22.861	2	1.680	385.2292	99.8014
000000	00000	1071	23.394	2	1.680	377.6606	100.5106
000000	00000	1072	22.711	2	2.880	390.4698	101.2924
000000	00000	1073	22.733	2	2.880	397.7236	101.2520
000000	00000	1074	21.576	2	2.880	379.0970	100.2132
000000	00000	1075	22.595	2	1.680	372.8056	99.5686
000000	00000	1076	22.313	2	1.680	370.0010	99.4410
000000	00000	1077	21.706	2	1.680	367.2678	99.0768
000000	00000	1078	20.721	2	1.680	362.7636	98.8648
000000	00000	1079	20.326	2	1.680	357.6748	98.5954
000000	00000	1080	19.548	2	1.680	347.6812	98.0496
000000	00000	1081	18.516	2	1.680	344.3122	97.9870
000000	00000	1082	18.330	2	1.680	339.3904	98.6008
000000	00000	1083	17.888	2	2.880	345.6112	101.4210
000000	00000	1084	18.420	2	1.680	329.9864	97.8020
000000	00000	1085	18.476	2	1.680	320.2844	97.7404
000000	00000	1086	18.655	2	1.680	314.8710	97.8654
000000	00000	1087	18.970	2	1.680	310.3254	97.1246
000000	00000	1088	19.070	2	1.680	307.0746	97.7812
000000	00000	1089	19.145	2	1.680	301.7602	97.6322
000000	00000	1090	18.681	2	2.880	296.1182	100.1682
000000	00000	1091	21.669	2	2.880	292.0460	100.2296
000000	00000	1092	20.733	2	2.880	288.6414	99.8506
000000	00000	1093	16.445	2	2.880	293.1758	101.5214
000000	00000	1094	17.958	2	1.680	286.9470	98.6196
000000	00000	1095	21.355	2	1.680	285.8408	98.6214
000000	00000	1096	22.099	2	1.680	292.8318	98.7100
000000	00000	1097	22.023	2	1.680	289.9978	100.4420
000000	00000	1098	17.128	2	1.680	281.5176	99.0218
000000	00000	1099	20.212	2	1.680	269.8544	98.4308
000000	00000	1100	14.657	2	1.680	284.2666	105.0412
000000	00000	1101	11.875	2	1.680	266.7988	98.6306
000000	00000	1102	13.009	2	2.880	270.6400	100.5874
000000	00000	1103	9.359	2	2.880	295.7190	102.0874
000000	00000	1104	12.031	2	2.880	306.4838	101.9636
000000	00000	1105	10.714	2	1.680	310.1792	98.9102
000000	00000	1106	8.660	2	1.680	294.3184	98.7840
000000	00000	1107	13.281	2	1.680	348.6500	99.0062
000000	00000	1108	15.245	2	2.880	350.6016	100.9612
000000	00000	1109	16.593	2	1.680	379.4958	100.5816
000000	00000	1110	18.799	2	1.680	384.4738	105.3310
000000	00000	1111	21.679	2	1.680	257.4248	98.4980
000000	00000	1112	22.588	2	2.880	257.2728	99.6658
000000	00000	1113	22.082	2	1.680	252.4264	97.7040

000000	00000	1114	23.525	2	1.680	239.6666	97.7712
000000	00000	1115	24.140	2	2.880	242.1822	99.3446
000000	00000	1116	29.402	2	2.880	239.7332	99.3750
000000	00000	1117	30.836	2	1.680	237.1786	97.7860
000000	00000	1118	38.583	2	1.680	247.3934	98.7316
000000	00000	1119	37.930	2	1.680	241.5064	98.0584
000000	00000	1120	41.555	2	1.680	241.6186	98.4552
000000	00000	1121	43.894	2	1.680	233.9110	97.8586
000000	00000	1122	43.809	2	1.680	237.8144	98.6294
000000	00000	1123	42.693	2	1.680	238.7726	98.5754
000000	00000	1124	42.242	2	1.680	241.5012	98.6662
000000	00000	1125	39.985	2	1.680	235.0348	97.8416
000000	00000	1126	32.671	2	1.680	227.5650	96.7948
000000	00000	1127	7.399	2	1.680	216.5252	96.2484
000000	00000	1128	19.336	2	1.680	279.5078	97.8782
000000	00000	1129	20.203	2	1.680	278.2730	97.6812
000000	00000	1130	20.724	2	1.680	274.2886	97.3382
000000	00000	1131	22.288	2	1.680	267.8572	98.0622
000000	00000	1132	24.333	2	1.680	263.5808	98.1242
000000	00000	1133	25.628	2	1.680	260.3386	98.1240
000000	00000	1134	24.920	2	1.680	258.6422	98.5110
000000	00000	1135	25.903	2	1.680	251.0568	98.5976
000000	00000	1136	23.653	2	2.880	262.2574	99.9318
000000	00000	1137	24.689	2	2.880	256.3922	99.9236
000000	00000	1138	25.095	2	2.880	250.3142	98.7968
000000	00000	1139	29.604	2	2.880	243.7766	99.1160
000000	00000	1140	33.349	2	2.880	247.8218	99.2026
000000	00000	1141	32.651	2	1.680	247.5698	98.7654
000000	00000	1142	29.519	2	1.680	244.6278	98.8780
000000	00000	1143	26.736	2	1.680	258.8046	98.0786
000000	00000	1144	27.828	2	1.680	254.0676	98.1844
000000	00000	1145	28.819	2	1.680	253.1378	97.9942
000000	00000	1146	27.310	2	1.680	255.7252	97.9286
000000	00000	1147	31.192	2	1.680	249.3134	98.2478
000000	00000	1148	29.537	2	1.680	274.4798	98.6188
000000	00000	1149	29.384	2	1.680	276.0266	99.4340
000000	00000	1150	29.142	2	1.680	277.5326	98.6968
000000	00000	1151	34.815	2	1.680	281.4964	98.6284
000000	00000	1152	35.625	2	1.680	278.1492	98.7634
000000	00000	1153	35.647	2	2.000	279.2990	98.7756
000000	00000	1154	40.485	2	1.680	271.9020	98.3260
000000	00000	1155	40.491	2	1.680	272.9340	98.6668
000000	00000	1156	40.537	2	1.680	274.4832	98.3236

```

== 1 Polární metoda =====
      ČÍSLO BODU      DÉLKA      VÝŠC      VOD.ÚHEL      ZENIT      P.DOM      P.KOL
ST: 000000 00000 4005  výš.stroje: 1.516
  1: 000000 00000 4004   86.381  2  1.680  203.0344  101.9258
  2: 000000 00000 4006  115.023  2  1.680  394.3920   97.5312
-----

```

Příloha KV odstavec 13.6(15.4)

	Rozdíl délek:	Mezní rozdíl:	Odch.or.pos od prům.:	Váha měření:	Normovaná odchylka:	Rozdíl
výšek:						
1: 000000 00000 4004	0.008	0.161	-0.0000	0.751	-0.0000	-
0.002						
2: 000000 00000 4006	0.010	0.179	0.0000	1.000	0.0000	
0.007						

```

-----
Orientační posun = 190.2806 g
m0 = SQRT([pvv]/(n-1)) = 0.0000 g
mMAX a mezní hodnota norm.odch. = 0.0800 g
Normovaná odchylka = v*SQRT(p) ... kde v je odchylka a p je váha měření
Zavedené zkreslení délek: 0.999834463824

```

```

-- PODROBNÉ BODY -----
000000 00000 1157  50.989  2  2.880  217.8470  102.8610
000000 00000 1158  50.312  2  2.880  225.6302  102.7368
000000 00000 1159  51.402  2  2.880  230.8170  102.3658
000000 00000 1160  54.374  2  2.880  234.4674  102.3950

```

000000	00000	1161	55.917	2	1.680	235.7444	101.4564
000000	00000	1162	55.111	2	1.680	236.8614	102.1652
000000	00000	1163	55.359	2	1.680	238.2034	102.0352
000000	00000	1164	54.413	2	1.680	240.8860	101.9078
000000	00000	1165	55.115	2	1.680	239.6926	101.8606
000000	00000	1166	54.323	2	1.680	237.8276	101.8070
000000	00000	1167	53.428	2	1.680	240.2474	101.4990
000000	00000	1168	49.896	2	1.680	242.6694	101.0376
000000	00000	1169	53.155	2	1.680	242.9946	101.7658
000000	00000	1170	55.339	2	1.680	244.1526	101.7664
000000	00000	1171	56.871	2	1.680	244.9732	100.0884
000000	00000	1172	46.101	2	1.680	260.6034	100.3200
000000	00000	1173	44.086	2	1.680	260.2844	101.9722
000000	00000	1174	43.457	2	1.680	259.9746	101.8774
000000	00000	1175	42.182	2	1.680	260.0104	101.6090
000000	00000	1176	36.747	2	1.680	266.5822	100.4026
000000	00000	1177	37.711	2	1.680	267.9156	102.0542
000000	00000	1178	38.116	2	1.680	269.0634	101.9670
000000	00000	1179	38.842	2	1.680	270.2018	101.1422
000000	00000	1180	39.046	2	1.680	271.7162	100.7756
000000	00000	1181	39.999	2	1.680	273.7762	100.3676
000000	00000	1182	40.257	2	1.680	276.7522	100.8422
000000	00000	1183	40.143	2	1.680	280.9428	100.6808
000000	00000	1184	39.532	2	1.680	281.1440	101.4450
000000	00000	1185	38.905	2	1.680	281.4990	101.4658
000000	00000	1186	38.144	2	1.680	281.5688	100.6792
000000	00000	1187	33.173	2	1.680	275.2110	100.9164
000000	00000	1188	32.448	2	1.680	270.3764	101.0544
000000	00000	1189	33.045	2	1.680	270.2780	102.3728
000000	00000	1190	35.099	2	1.680	270.8250	101.8542
000000	00000	1191	36.137	2	1.680	272.0606	101.4362
000000	00000	1192	39.899	2	1.680	292.4912	100.0038
000000	00000	1193	39.277	2	1.680	292.6544	100.4098
000000	00000	1194	38.037	2	1.680	296.9802	99.8960
000000	00000	1195	65.231	2	1.680	243.9770	99.0652
000000	00000	1196	66.343	2	1.680	246.6134	99.1114
000000	00000	1197	53.215	2	1.680	261.4788	99.8072
000000	00000	1198	49.181	2	1.680	261.2184	99.6812
000000	00000	1199	43.782	2	1.680	281.9546	100.3192
000000	00000	1200	46.533	2	1.680	284.4272	100.2074
000000	00000	1201	41.713	2	1.680	298.0518	99.8222
000000	00000	1202	35.771	2	1.680	312.7262	99.5390
000000	00000	1203	32.848	2	1.680	310.8310	99.6420
000000	00000	1204	22.124	2	1.680	338.3704	99.1008
000000	00000	1205	26.134	2	1.680	343.3680	99.3356
000000	00000	1206	24.321	2	1.680	362.9152	99.1488
000000	00000	1207	32.655	2	1.680	392.5194	98.5106
000000	00000	1208	41.629	2	1.680	395.9152	98.5108
000000	00000	1209	42.161	2	1.680	1.2320	98.3750
000000	00000	1210	33.850	2	1.680	0.5036	98.2332
000000	00000	1211	20.591	2	1.680	376.2330	98.5954
000000	00000	1212	17.580	2	1.680	376.8416	97.8938
000000	00000	1213	13.481	2	1.680	0.9952	96.5164
000000	00000	1214	10.879	2	1.680	399.3130	96.5384
000000	00000	1215	9.306	2	1.680	4.6896	93.8308
000000	00000	1216	16.547	2	1.680	386.5210	96.0604
000000	00000	1217	17.617	2	1.680	360.2406	98.3918
000000	00000	1218	19.759	2	1.680	351.4610	98.8954
000000	00000	1219	18.699	2	1.680	350.5350	100.1618
000000	00000	1220	16.338	2	1.680	349.0524	101.4124
000000	00000	1221	16.149	2	1.680	352.6640	99.2158
000000	00000	1222	16.706	2	1.680	344.6380	98.9424
000000	00000	1223	13.272	2	1.680	347.2942	99.4444
000000	00000	1224	11.995	2	1.680	354.6618	102.5246
000000	00000	1225	11.286	2	1.680	359.7656	98.6942
000000	00000	1226	8.061	2	1.680	281.1440	103.8262
000000	00000	1227	9.019	2	1.680	284.6726	106.6432
000000	00000	1228	10.309	2	1.680	291.4362	103.5124

000000	00000	1229	13.042	2	1.680	279.7134	102.1750
000000	00000	1230	16.709	2	1.680	269.9124	103.0664
000000	00000	1231	16.052	2	1.680	266.6500	105.1132
000000	00000	1232	15.451	2	1.680	264.0872	104.1396
000000	00000	1233	13.484	2	1.680	256.6498	102.6960
000000	00000	1234	24.093	2	1.680	230.2122	103.1320
000000	00000	1235	25.900	2	1.680	230.3158	102.9516
000000	00000	1236	25.222	2	1.680	230.1116	103.5532
000000	00000	1237	24.876	2	1.680	223.0838	103.6864
000000	00000	1238	25.243	2	1.680	223.9766	103.1448
000000	00000	1239	24.487	2	1.680	221.5156	103.1634
000000	00000	1240	24.374	2	1.680	210.1982	103.3040
000000	00000	1241	27.353	2	1.680	205.3460	103.3038
000000	00000	1242	26.880	2	1.680	218.4628	102.9512
000000	00000	1243	27.806	2	1.680	219.9218	103.6382
000000	00000	1244	28.408	2	2.000	220.2004	102.1206
000000	00000	1245	53.485	2	1.680	207.5096	102.4780
000000	00000	1246	50.454	2	1.680	205.2176	102.5442
000000	00000	1247	49.472	2	1.680	207.6960	102.4326
000000	00000	1248	50.787	2	1.680	211.8936	102.8076
000000	00000	1249	51.725	2	1.680	207.5704	103.5078
000000	00000	1250	52.899	2	2.880	214.2048	102.8020
000000	00000	1251	51.721	2	2.880	214.6004	102.8820
000000	00000	1252	52.086	2	1.680	214.1246	103.5720
000000	00000	1253	50.615	2	1.680	215.6368	103.6338
000000	00000	1254	47.104	2	1.680	216.7260	102.8344
000000	00000	1255	47.994	2	2.880	213.8834	102.7266
000000	00000	1256	48.339	2	1.680	210.2678	102.7268
000000	00000	1257	45.317	2	2.100	206.3960	101.9622
000000	00000	1258	44.154	2	2.100	209.6768	101.9434
000000	00000	1259	44.609	2	2.880	208.4826	102.4064
000000	00000	1260	44.636	2	2.880	219.3230	102.6292
000000	00000	1261	49.072	2	1.680	222.0366	104.3406
000000	00000	1262	47.741	2	1.680	220.3670	104.3406
000000	00000	1263	47.506	2	1.680	223.6804	102.3374
000000	00000	1264	43.811	2	1.680	223.5720	102.3302
000000	00000	1265	43.638	2	1.680	219.0678	102.4554
000000	00000	1266	46.393	2	1.680	218.6638	102.6244
000000	00000	1267	49.455	2	1.680	235.5688	101.5944
000000	00000	1268	53.695	2	2.880	236.6018	102.4026
000000	00000	1269	47.458	2	1.680	245.9806	101.0758
000000	00000	1270	43.949	2	1.680	253.3952	101.0396
000000	00000	1271	41.145	2	1.680	256.3218	101.1514
000000	00000	1272	39.563	2	1.680	258.8130	101.0246
000000	00000	1273	35.222	2	1.680	251.6640	101.4792
000000	00000	1274	36.568	2	1.680	244.2494	101.5022
000000	00000	1275	37.051	2	1.680	236.0818	101.9962
000000	00000	1276	40.711	2	1.680	238.3774	101.7330
000000	00000	1277	39.859	2	1.680	231.8344	101.8738
000000	00000	1278	44.114	2	1.680	226.9626	102.1126
000000	00000	1279	38.357	2	1.680	223.5976	102.2634
000000	00000	1280	37.733	2	1.680	215.5728	102.3504
000000	00000	1281	39.963	2	1.680	214.1280	102.2692
000000	00000	1282	45.716	2	1.680	214.4118	102.2508
000000	00000	1283	44.599	2	1.680	216.5172	102.3338
000000	00000	1284	33.075	2	1.680	222.8880	102.4642
000000	00000	1285	32.777	2	1.680	219.1698	102.5672
000000	00000	1286	27.252	2	1.680	251.7260	101.5248
000000	00000	1287	25.703	2	1.680	279.8592	100.5654
000000	00000	1288	21.999	2	1.680	292.6768	100.6010
000000	00000	1289	18.661	2	1.680	297.6562	100.3866
000000	00000	1290	15.989	2	1.680	295.1352	101.2472
000000	00000	1291	21.265	2	1.680	333.3500	98.8444
000000	00000	1292	23.364	2	1.680	326.3410	98.5690
000000	00000	1293	25.981	2	1.680	322.7250	98.6522
000000	00000	1294	29.200	2	1.680	317.2878	98.9198
000000	00000	1295	38.383	2	1.680	314.8848	99.2202
000000	00000	1296	39.139	2	1.680	313.1334	99.1098

000000	00000	1297	46.075	2	1.680	317.7820	96.9580
000000	00000	1298	52.775	2	1.680	333.2862	95.4968
000000	00000	1299	41.090	2	1.680	329.4636	99.1032
000000	00000	1300	39.149	2	1.680	328.6008	99.3376
000000	00000	1301	38.807	2	1.680	330.3680	99.3036
000000	00000	1302	40.233	2	1.680	333.8032	99.1692
000000	00000	1303	41.989	2	1.680	336.1916	99.0034
000000	00000	1304	46.294	2	1.680	337.1032	98.5950
000000	00000	1305	35.257	2	1.680	322.6372	98.9002
000000	00000	1306	34.396	2	1.680	325.5258	99.1124
000000	00000	1307	30.767	2	1.680	335.0380	98.8032
000000	00000	1308	28.554	2	1.680	343.1200	98.7240
000000	00000	1309	26.760	2	1.680	352.7026	98.8268
000000	00000	1310	26.547	2	1.680	359.8320	98.3476
000000	00000	1311	27.949	2	1.680	369.3530	98.8984
000000	00000	1312	31.111	2	1.680	377.5918	98.2270
000000	00000	1313	35.586	2	1.680	371.7644	98.7068
000000	00000	1314	38.570	2	1.680	373.1392	98.4678
000000	00000	1315	41.900	2	1.680	360.6946	97.4288
000000	00000	1316	39.143	2	1.680	359.4852	98.8578
000000	00000	1317	40.939	2	1.680	350.8466	98.8254
000000	00000	1318	35.707	2	1.680	348.6772	98.8552
000000	00000	1319	34.468	2	1.680	346.4136	99.0358
000000	00000	1320	44.012	2	1.680	352.5394	96.7328
000000	00000	1321	41.768	2	1.680	346.7092	98.8698
000000	00000	1322	42.159	2	1.680	342.2260	98.8148
000000	00000	1323	46.945	2	1.680	342.1964	97.2318
000000	00000	1324	58.674	2	1.680	339.1814	91.5028
000000	00000	1325	59.319	2	1.680	339.2700	91.3718
000000	00000	1326	60.692	2	1.680	339.8872	91.4876
000000	00000	1327	61.346	2	1.680	340.1536	91.8272
000000	00000	1328	54.436	2	1.680	378.0810	90.7278
000000	00000	1329	51.801	2	1.680	378.3110	90.4310
000000	00000	1330	52.517	2	1.680	378.1876	90.3046
000000	00000	1331	54.018	2	1.680	378.0726	90.4794
000000	00000	1332	60.757	2	1.680	9.9338	91.4986
000000	00000	1333	59.214	2	1.680	10.1468	91.3688
000000	00000	1334	58.560	2	1.680	10.1298	91.5666
000000	00000	1335	61.485	2	1.680	9.9270	91.8080
000000	00000	1336	62.999	2	1.680	10.1216	92.4696
000000	00000	1337	56.896	2	1.680	10.1810	91.9858
000000	00000	1338	53.815	2	1.680	11.2248	92.2250
000000	00000	1339	51.730	2	1.680	0.1714	91.5644
000000	00000	1340	49.712	2	1.680	390.7628	91.2230
000000	00000	1341	50.380	2	1.680	390.5918	91.3520
000000	00000	1342	49.687	2	1.680	391.5736	92.2030
000000	00000	1343	51.324	2	1.680	399.3232	92.4688
000000	00000	1344	43.055	2	1.680	393.6240	97.0166
000000	00000	1345	42.973	2	1.680	392.9308	97.0170
000000	00000	1346	41.363	2	1.680	391.1526	98.2372
000000	00000	1347	43.135	2	1.680	393.5528	98.3666
000000	00000	1348	49.764	2	1.680	392.9775	98.5152
000000	00000	1349	49.751	2	1.680	392.5936	98.5291
000000	00000	1350	49.981	2	1.680	393.9092	98.5778
000000	00000	1351	50.586	2	1.680	397.1698	98.5652
000000	00000	1352	50.727	2	1.680	397.8908	98.4644
000000	00000	1353	50.806	2	1.680	398.2854	98.4780
000000	00000	1354	45.110	2	1.680	1.9056	98.1850
000000	00000	1355	45.024	2	1.680	2.0762	97.2364
000000	00000	1356	44.914	2	1.680	9.6124	97.7600
000000	00000	1357	47.443	2	1.680	16.7018	97.0198
000000	00000	1358	41.739	2	1.680	23.9486	96.4780
000000	00000	1359	41.246	2	1.680	13.1970	97.4100
000000	00000	1360	37.690	2	1.680	9.2202	97.5432
000000	00000	1361	35.659	2	1.680	18.4896	96.8890
000000	00000	1362	34.004	2	1.680	15.7248	97.1158
000000	00000	1363	33.805	2	1.680	11.6622	97.1508
000000	00000	1364	32.166	2	1.680	9.3332	97.5394

```

000000 00000 1365    30.098  2  1.680    9.2418  97.2700
== 1   Polární metoda  =====
                ČÍSLO BODU    DÉLKA    VÝŠC    VOD.ÚHEL    ZENIT    P.DOM    P.KOL
ST: 000000 00000 4006    výš.stroje: 1.334
1: 000000 00000 4005    115.005  2  1.680    221.3780  102.1912
2: 000000 00000 4007    184.312  2  1.680    25.4254   96.9580
-----

```

Příloha KV odstavec 13.6(15.4)

```

                Rozdíl    Mezní    Odch.or.pos    Váha Normovaná    Rozdíl
                délek:    rozdíl:    od prům.:    měření:    odchylnka:
výšek:
1: 000000 00000 4005    0.010    0.179    -0.0000    0.624    -0.0000
0.002
2: 000000 00000 4007    0.016    0.213    0.0000    1.000    0.0000
0.005
-----

```

```

Orientační posun                = 163.2946 g
m0 = SQRT([pvvl]/(n-1))          = 0.0000 g
mMAX a mezní hodnota norm.odch. = 0.0800 g
Normovaná odchylnka = v*SQRT(p) ... kde v je odchylnka a p je váha měření
Zavedené zkreslení délek: 0.999833700950
-----

```

-- PODROBNÉ BODY --

```

000000 00000 1366    38.211  2  1.680    218.7466  103.5436
000000 00000 1367    37.697  2  1.680    223.9070  103.9826
000000 00000 1368    26.744  2  1.680    224.1446  104.2736
000000 00000 1369    26.034  2  1.680    217.3346  103.5690
000000 00000 1370    14.771  2  1.680    221.0278  103.1530
000000 00000 1371    15.115  2  1.680    232.9866  103.5962
000000 00000 1372     4.862  2  1.680    278.0176  104.5020
000000 00000 1373     2.866  2  1.680    240.8754  105.3740
000000 00000 1374     7.520  2  1.680     21.5932   98.8910
000000 00000 1375     8.366  2  1.680    394.6598  100.0222
000000 00000 1376    20.468  2  1.680     30.4978   97.3910
000000 00000 1377    20.989  2  1.680     20.5960   97.7690
000000 00000 1378    52.050  2  1.680    227.3204  103.4136
000000 00000 1379    51.006  2  1.680    227.0860  103.3346
000000 00000 1380    51.305  2  1.680    227.1744  103.5510
000000 00000 1381    51.782  2  1.680    227.2746  103.5402
000000 00000 1382    51.053  2  1.680    229.4538  103.5534
000000 00000 1383    51.525  2  1.680    229.6616  103.5316
000000 00000 1384    51.997  2  1.680    229.6930  103.2108
000000 00000 1385    50.887  2  1.680    229.2616  103.3654
000000 00000 1386    44.238  2  1.680    234.1158  103.4352
000000 00000 1387    43.246  2  1.680    232.6688  103.5984
000000 00000 1388    43.397  2  1.680    233.3066  103.8090
000000 00000 1389    43.597  2  1.680    233.8990  103.9616
000000 00000 1390    41.770  2  1.680    234.9862  103.9994
000000 00000 1391    41.875  2  1.680    236.2424  104.0508
000000 00000 1392    41.797  2  1.680    234.4862  103.7626
000000 00000 1393    42.036  2  1.680    236.3368  103.6072
000000 00000 1394    35.860  2  1.680    234.8610  104.3282
000000 00000 1395    36.262  2  1.680    232.0824  104.1942
000000 00000 1396    36.123  2  1.680    233.0200  104.5882
000000 00000 1397    36.051  2  1.680    234.0282  104.6972
000000 00000 1398    32.977  2  1.680    227.9454  104.1576
000000 00000 1399    32.270  2  1.680    229.4444  104.6928
000000 00000 1400    32.421  2  1.680    228.6812  104.8316
000000 00000 1401    32.690  2  2.000    228.1868  104.2200
000000 00000 1402    29.999  2  1.680    229.7170  105.2066
000000 00000 1403    29.768  2  1.680    228.4180  105.1166
000000 00000 1404    30.090  2  1.680    230.2066  104.5828
000000 00000 1405    30.009  2  1.680    226.8958  104.8798
000000 00000 1406    27.656  2  1.680    228.4154  105.1296
000000 00000 1407    28.002  2  1.680    229.7390  105.5542
000000 00000 1408    27.688  2  1.680    234.3156  105.1178
000000 00000 1409    28.180  2  1.680    231.7274  105.5264
000000 00000 1410    22.656  2  1.680    236.4296  105.8372
000000 00000 1411    21.868  2  1.680    232.5532  106.0328

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000000	00000	1412	21.987	2	1.680	233.9750	106.8238
000000	00000	1413	22.376	2	1.680	235.2284	106.6882
000000	00000	1414	17.807	2	1.680	243.9724	108.0656
000000	00000	1415	18.194	2	1.680	244.1662	107.9408
000000	00000	1416	17.245	2	1.680	241.7378	107.1458
000000	00000	1417	18.441	2	1.680	246.8912	107.1470
000000	00000	1418	15.551	2	1.680	262.0814	106.7876
000000	00000	1419	18.105	2	1.680	265.3128	105.6990
000000	00000	1420	16.140	2	1.680	262.6616	108.1714
000000	00000	1421	17.145	2	2.000	264.6662	106.0708
000000	00000	1422	11.116	2	1.680	281.7600	108.3530
000000	00000	1423	13.273	2	1.680	291.3882	106.8888
000000	00000	1424	11.610	2	1.680	284.1470	109.9194
000000	00000	1425	12.797	2	1.680	290.4626	107.9770
000000	00000	1426	13.831	2	1.680	344.2772	106.8904
000000	00000	1427	15.120	2	1.680	340.3290	106.0470
000000	00000	1428	13.604	2	1.680	345.1988	105.4946
000000	00000	1429	15.688	2	1.680	336.8444	105.1974
000000	00000	1430	25.298	2	1.680	370.5626	102.2142
000000	00000	1431	28.246	2	1.680	361.5922	101.6284
000000	00000	1432	26.356	2	1.680	369.4030	102.8788
000000	00000	1433	27.902	2	1.680	365.6480	102.5818
000000	00000	1434	37.903	2	0.900	381.1226	101.7584
000000	00000	1435	39.090	2	1.680	372.4326	100.4898
000000	00000	1436	38.298	2	1.680	377.7652	101.7126
000000	00000	1437	38.595	2	1.680	374.4616	101.8778
000000	00000	1438	52.112	2	1.680	386.7562	99.9946
000000	00000	1439	49.191	2	1.680	378.2140	100.9174
000000	00000	1440	52.630	2	1.680	385.6756	100.8044
000000	00000	1441	52.969	2	1.680	384.8582	100.8348
000000	00000	1442	54.263	2	1.680	383.2990	100.2854
000000	00000	1443	49.795	2	1.680	373.0666	100.3606
000000	00000	1444	53.384	2	1.680	368.9036	100.0386
000000	00000	1445	62.994	2	1.680	371.9552	99.8918
000000	00000	1446	62.715	2	1.680	375.3786	99.2124
000000	00000	1447	57.392	2	1.680	377.4796	99.0824
000000	00000	1448	62.533	2	1.680	380.9746	98.9298
000000	00000	1449	62.618	2	1.680	385.2614	99.7004
000000	00000	1450	53.923	2	1.680	388.6466	99.0814
000000	00000	1451	59.216	2	1.680	385.4746	99.6326
000000	00000	1452	51.810	2	1.680	392.0362	98.9856
000000	00000	1453	56.862	2	1.680	386.8192	99.5450
000000	00000	1454	41.709	2	1.680	390.5526	98.5430
000000	00000	1455	39.741	2	1.680	390.6096	100.1438
000000	00000	1456	46.254	2	1.680	386.1770	100.5268
000000	00000	1457	58.872	2	1.680	385.5046	100.7472
000000	00000	1458	61.523	2	1.680	391.5366	100.4874
000000	00000	1459	59.614	2	1.680	392.5646	99.4400
000000	00000	1460	63.078	2	1.680	390.4052	99.4064
000000	00000	1461	64.469	2	1.680	394.3698	99.4012
000000	00000	1462	62.260	2	1.680	392.4754	100.3390
000000	00000	1463	61.287	2	1.680	393.9386	99.9348
000000	00000	1464	62.441	2	1.680	393.1624	99.9940
000000	00000	1465	59.123	2	1.680	384.7484	100.5948
000000	00000	1466	55.619	2	1.680	383.2038	99.9584
000000	00000	1467	53.379	2	1.680	381.5196	99.9630
000000	00000	1468	53.788	2	1.680	374.1896	99.7508
000000	00000	1469	52.597	2	1.680	372.2290	99.9488
000000	00000	1470	55.233	2	1.680	374.0698	99.4550
000000	00000	1471	50.532	2	1.680	373.2346	99.9386
000000	00000	1472	44.927	2	1.680	372.3712	100.2726
000000	00000	1473	43.601	2	1.680	370.2190	100.0704
000000	00000	1474	42.132	2	1.680	364.9418	100.2814
000000	00000	1475	49.656	2	1.680	362.4352	100.0162
000000	00000	1476	46.662	2	1.680	358.7228	99.9910
000000	00000	1477	44.636	2	1.680	357.6902	100.2334
000000	00000	1478	39.223	2	1.680	373.8932	100.7146
000000	00000	1479	30.439	2	1.680	335.7558	101.9158

000000	00000	1480	25.170	2	1.680	359.2082	102.0274
000000	00000	1481	25.953	2	1.680	347.9572	101.9720
000000	00000	1482	27.945	2	1.680	329.0080	102.5674
000000	00000	1483	20.145	2	1.680	327.7316	103.1680
000000	00000	1484	22.426	2	1.680	327.6608	103.2094
000000	00000	1485	20.949	2	1.680	332.8226	103.5300
000000	00000	1486	20.778	2	1.680	323.5994	104.0100
000000	00000	1487	14.962	2	1.680	304.1146	104.8000
000000	00000	1488	26.911	2	1.680	319.8850	103.0000
000000	00000	1489	18.305	2	1.680	294.5358	104.6326
000000	00000	1490	26.607	2	1.680	306.4698	103.3972
000000	00000	1491	20.055	2	1.680	290.5070	104.3364
000000	00000	1492	27.020	2	1.680	300.7168	103.4068
000000	00000	1493	20.903	2	1.680	280.0146	104.7194
000000	00000	1494	28.313	2	1.680	297.8030	103.3252
000000	00000	1495	22.633	2	1.680	279.5470	104.5136
000000	00000	1496	28.623	2	1.680	286.2102	103.5340
000000	00000	1497	30.446	2	1.680	279.5196	103.6662
000000	00000	1498	31.081	2	1.680	276.1678	103.4770
000000	00000	1499	18.491	2	1.680	256.3486	104.9702
000000	00000	1500	33.060	2	1.680	268.5804	103.5410
000000	00000	1501	20.167	2	1.680	251.6936	104.7028
000000	00000	1502	20.130	2	1.680	248.0832	104.6744
000000	00000	1503	22.999	2	1.680	242.6740	104.1740
000000	00000	1504	40.281	2	1.680	240.2024	103.6936
000000	00000	1505	30.120	2	1.680	237.0520	104.4910
000000	00000	1506	38.239	2	1.680	237.0492	103.8776
000000	00000	1507	30.924	2	1.680	231.1836	104.2376
000000	00000	1508	43.901	2	1.680	236.2846	103.1690
000000	00000	1509	33.394	2	1.680	232.7306	104.3728
000000	00000	1510	34.798	2	1.680	235.0460	104.0756
000000	00000	1511	44.980	2	1.680	247.6482	103.3636
000000	00000	1512	52.418	2	1.680	239.6866	103.2802
000000	00000	1513	50.838	2	1.680	231.1826	103.3972
000000	00000	1514	52.721	2	1.680	240.2880	103.0922
000000	00000	1515	52.063	2	1.680	237.8190	103.3654
000000	00000	1516	55.515	2	1.680	244.9714	102.9980
000000	00000	1517	54.976	2	1.680	243.6046	103.0173
000000	00000	1518	51.294	2	1.680	229.1392	102.5526
000000	00000	1519	51.130	2	2.000	228.5466	102.1350
000000	00000	1520	55.182	2	1.680	218.6684	96.7510
000000	00000	1521	57.232	2	1.680	227.0365	96.9118
000000	00000	1522	49.355	2	1.680	221.2464	102.6934
000000	00000	1523	49.284	2	1.680	220.7040	102.6640
000000	00000	1524	55.151	2	1.680	218.7840	97.6484
000000	00000	1525	55.254	2	1.680	219.4394	97.6424
000000	00000	1526	49.577	2	1.680	221.1722	103.1870
000000	00000	1527	56.974	2	1.680	226.2554	97.8794
000000	00000	1528	55.607	2	1.680	220.2987	103.2225
000000	00000	1529	55.715	2	1.680	220.6438	103.2072
000000	00000	1530	51.554	2	1.680	205.9604	96.5730
000000	00000	1531	56.783	2	1.680	224.9774	103.1590
000000	00000	1532	56.870	2	1.680	225.5220	103.1178
000000	00000	1533	54.320	2	1.680	221.6590	103.3562
000000	00000	1534	54.953	2	1.680	224.3860	103.2946
000000	00000	1535	51.965	2	1.680	225.4016	103.5380
000000	00000	1536	44.498	2	1.680	225.0758	103.5294
000000	00000	1537	45.089	2	1.680	221.2076	103.3732
000000	00000	1538	39.146	2	1.680	218.6494	103.5808
000000	00000	1539	42.395	2	1.680	217.7178	103.1110
000000	00000	1540	42.523	2	1.680	205.2494	101.1848
000000	00000	1541	40.011	2	2.000	205.1688	101.0714
000000	00000	1542	40.417	2	2.200	204.9946	100.7986
000000	00000	1543	40.733	2	1.680	219.0382	103.6176
000000	00000	1544	46.097	2	1.680	221.9790	103.5694
000000	00000	1545	37.454	2	1.680	227.0796	103.3726
000000	00000	1546	25.236	2	1.680	229.5018	104.8034
000000	00000	1547	13.770	2	1.680	269.4620	106.5258

000000	00000	1548	12.838	2	1.680	269.6876	106.8988
000000	00000	1549	7.365	2	1.680	330.0334	111.0024
000000	00000	1550	9.762	2	1.680	286.9768	107.4984
000000	00000	1551	10.517	2	1.680	388.0802	101.4752
000000	00000	1552	11.598	2	1.680	379.4314	106.5574
000000	00000	1553	20.065	2	1.680	389.4114	102.5050
000000	00000	1554	20.712	2	1.680	381.3178	102.0710
000000	00000	1555	11.415	2	1.680	350.5116	104.7922
000000	00000	1556	25.774	2	1.680	384.7648	101.5682
000000	00000	1557	28.756	2	1.680	376.1748	101.3846
000000	00000	1558	32.972	2	1.680	383.3254	100.6008
000000	00000	1559	31.368	2	1.680	377.7138	101.2968
000000	00000	1560	35.723	2	1.680	383.3752	100.7188
000000	00000	1561	42.236	2	1.680	381.2280	100.9718
000000	00000	1562	36.921	2	1.680	383.4410	100.6396
000000	00000	1563	43.705	2	1.680	383.2836	100.9314
000000	00000	1564	24.192	2	1.680	0.9410	102.0954

```

== 1 Polární metoda =====
      ČÍSLO BODU      DÉLKA      VÝŠC      VOD.ÚHEL      ZENIT      P.DOM      P.KOL
ST: 000000 00000 4008  výš.stroje: 1.540
  1: 000000 00000 4009  395.529  2  1.680  119.0704  97.2884
-----

```

Příloha KV odstavec 13.6(15.4)

	Rozdíl délek:	Mezní rozdíl:	Odch.or.pos od prům.:	Váha Normovaná měření: odchylka:	Rozdíl
výšek:					
1: 000000 00000 4009	0.022	0.289	0.0000	1.000	0.0000

0.015

```

-----
Orientační posun = 61.2871 g
m0 = SQRT([pvv]/(n-1)) = 0.0000 g
mMAX a mezní hodnota norm.odch. = 0.0800 g
Normovaná odchylka = v*SQRT(p) ... kde v je odchylka a p je váha měření
Zavedené zkreslení délek: 0.999829574264
-----

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-- PODROBNÉ BODY --

000000	00000	1565	240.113	2	1.680	124.5916	98.2392
000000	00000	1566	238.874	2	1.680	125.1238	98.0270
000000	00000	1567	237.782	2	1.680	124.0598	98.0124
000000	00000	1568	238.496	2	1.680	124.5814	98.3498
000000	00000	1569	232.305	2	1.680	125.0822	98.3964
000000	00000	1570	231.730	2	1.680	124.3652	98.0612
000000	00000	1571	232.937	2	1.680	125.5822	98.0386
000000	00000	1572	143.616	2	1.680	138.7090	98.9968
000000	00000	1573	137.263	2	1.680	137.4456	98.9408
000000	00000	1574	142.236	2	1.680	138.7614	99.3894
000000	00000	1575	140.888	2	1.680	138.1580	99.4098
000000	00000	1576	139.856	2	1.680	137.6234	99.0282
000000	00000	1577	115.200	2	1.680	148.3324	99.4428
000000	00000	1578	114.361	2	1.680	147.4988	99.8082
000000	00000	1579	113.980	2	1.680	147.2110	99.8154
000000	00000	1580	112.801	2	1.680	146.0794	99.3794
000000	00000	1581	119.016	2	1.680	144.1352	99.2290
000000	00000	1582	112.416	2	1.680	147.3418	99.6420
000000	00000	1583	114.882	2	1.680	145.8964	99.3694
000000	00000	1584	108.256	2	1.680	148.5478	99.3520
000000	00000	1585	101.491	2	1.680	151.2286	99.4504
000000	00000	1586	72.920	2	1.680	179.0898	100.6132
000000	00000	1587	69.860	2	1.680	181.8088	100.9888
000000	00000	1588	74.332	2	1.680	183.5670	100.7970
000000	00000	1589	71.002	2	1.680	183.6222	101.6278
000000	00000	1590	72.232	2	1.680	183.7386	101.7430
000000	00000	1591	70.875	2	1.680	184.1968	101.9734
000000	00000	1592	71.437	2	1.680	184.4264	101.9534
000000	00000	1593	125.498	2	1.680	280.2206	102.9474
000000	00000	1594	123.735	2	1.680	281.9046	103.0236
000000	00000	1595	130.979	2	1.680	281.7166	102.9010
000000	00000	1596	129.165	2	1.680	283.2720	102.9924
000000	00000	1597	123.513	2	1.680	281.2522	103.2290

000000	00000	1598	130.092	2	1.680	282.6510	103.5126
000000	00000	1599	124.516	2	1.680	281.0894	103.5294
000000	00000	1600	129.454	2	1.680	283.3940	103.0416
000000	00000	1601	206.337	2	1.680	294.9626	102.7476
000000	00000	1602	207.163	2	1.680	294.9044	102.6754
000000	00000	1603	209.913	2	1.680	295.0856	102.6748
000000	00000	1604	215.221	2	1.680	296.0852	102.8568
000000	00000	1605	207.231	2	1.680	296.4772	102.7208
000000	00000	1606	208.095	2	1.680	295.7972	102.9930
000000	00000	1607	208.291	2	1.680	295.6828	102.9884
000000	00000	1608	208.559	2	1.680	295.2338	102.8770
000000	00000	1609	261.828	2	1.680	298.9252	102.3984
000000	00000	1610	259.016	2	1.680	300.1052	102.4556
000000	00000	1611	265.108	2	1.680	299.1890	102.4486
000000	00000	1612	261.142	2	1.680	299.8072	102.4968
000000	00000	1613	264.113	2	1.680	299.3708	102.6814
000000	00000	1614	264.892	2	1.680	299.9106	102.7078
000000	00000	1615	265.236	2	1.680	299.6228	102.7150
000000	00000	1616	262.231	2	1.680	299.2698	102.7030
000000	00000	1617	260.225	2	1.680	299.4046	102.6980
000000	00000	1618	260.170	2	1.680	299.5708	102.7056

```

== 1 Polární metoda =====
                ČÍSLO BODU      DÉLKA      VÝŠC      VOD.ÚHEL      ZENIT      P.DOM      P.KOL
ST: 000000 00000 4009      výš.stroje: 1.530
  1: 000000 00000 4008      395.514  2  1.680  156.3222  102.6658

```

Příloha KV odstavec 13.6(15.4)

	Rozdíl délek:	Mezní rozdíl:	Odch.or.pos od prům.:	Váha Normovaná měření: odchylnka:	Rozdíl
výšek:					
1: 000000 00000 4008	0.026	0.289	0.0000	1.000	0.0000

0.010

```

Orientační posun = 224.0353 g
m0 = SQRT([pvv]/(n-1)) = 0.0000 g
mMAX a mezní hodnota norm.odch. = 0.0800 g
Normovaná odchylnka = v*SQRT(p) ... kde v je odchylnka a p je váha měření
Zavedené zkreslení délek: 0.999826680776

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-- PODROBNÉ BODY -----

000000	00000	1619	14.339	2	1.680	192.3286	105.5790
000000	00000	1620	16.392	2	1.680	198.0122	108.9746
000000	00000	1621	16.799	2	1.680	199.3522	109.1238
000000	00000	1622	18.556	2	1.680	204.2550	105.0372
000000	00000	1623	14.978	2	1.680	243.5524	104.1726
000000	00000	1624	14.812	2	1.680	245.3088	104.6550
000000	00000	1625	14.838	2	1.680	249.0408	104.3096
000000	00000	1626	16.956	2	1.680	240.9458	103.2718
000000	00000	1627	16.501	2	1.680	235.2360	103.5312
000000	00000	1628	21.050	2	1.680	224.0672	103.7882
000000	00000	1629	23.262	2	1.680	199.6124	103.9926
000000	00000	1630	24.085	2	1.680	211.0194	104.2272
000000	00000	1631	13.237	2	1.680	251.6500	109.9602
000000	00000	1632	12.729	2	1.680	252.1076	110.5680
000000	00000	1633	8.303	2	1.680	254.8350	103.2270
000000	00000	1634	9.987	2	1.680	343.8102	95.8066
000000	00000	1635	12.654	2	1.680	337.0124	104.2426
000000	00000	1636	13.536	2	1.680	335.0512	103.9590
000000	00000	1637	15.407	2	1.680	334.4890	99.7830
000000	00000	1638	25.028	2	1.680	335.4002	88.6434
000000	00000	1639	26.160	2	1.680	297.1300	90.6508
000000	00000	1640	31.601	2	1.680	278.1730	92.8414
000000	00000	1641	27.935	2	1.680	257.6462	102.2176
000000	00000	1642	26.681	2	1.680	250.6966	102.7454
000000	00000	1643	27.258	2	1.680	253.0080	104.2496
000000	00000	1644	27.535	2	1.680	254.1244	103.9304
000000	00000	1645	10.844	2	1.680	289.1246	101.1988
000000	00000	1646	26.202	2	1.680	244.9806	101.8198
000000	00000	1647	16.751	2	1.680	270.3964	103.5526

000000	00000	1648	18.508	2	1.680	264.0526	102.8054
000000	00000	1649	15.095	2	1.680	278.4988	108.3776
000000	00000	1650	14.752	2	1.680	279.9256	108.5978
000000	00000	1651	19.245	2	1.680	285.3664	98.9872
000000	00000	1652	19.560	2	1.680	285.9446	99.0376
000000	00000	1653	16.831	2	1.680	278.1252	106.7566
000000	00000	1654	16.825	2	1.680	301.2210	98.8910
000000	00000	1655	17.210	2	1.680	301.8082	98.8702
000000	00000	1656	16.503	2	3.500	287.3536	99.9074
000000	00000	1657	15.933	2	3.500	289.8896	100.1290
000000	00000	1658	15.089	2	3.500	291.0372	99.6674
000000	00000	1659	17.677	2	3.500	292.7016	99.2352

== 1 Polární metoda =====

	ČÍSLO	BODU	DĚLKA	VÝŠC	VOD.ÚHEL	ZENIT	P.DOM	P.KOL	
ST:	000000	00000	4010	výš.stroje:	1.503				
1:	000000	00000	4011		35.139	2	1.680	323.4130	97.6318
2:	000000	00000	4012		41.055	2	1.680	211.8740	94.7876

Příloha KV odstavec 13.6(15.4)

	Rozdíl	Mezní	Odch.or.pos	Váha Normovaná	Rozdíl			
výšek:	dělek:	rozdíl:	od prům.:	měření: odchylna:				
1:	000000	00000	4011	-0.001	0.121	0.0000	0.858	0.0000
0.010								
2:	000000	00000	4012	-0.001	0.127	-0.0000	1.000	-0.0000
0.010								

Orientační posun = 75.3752 g
 $m_0 = \sqrt{\frac{[pvv]}{(n-1)}}$ = 0.0000 g
 mMAX a mezní hodnota norm.odch. = 0.0800 g
 Normovaná odchylna = $v \cdot \sqrt{p}$... kde v je odchylna a p je váha měření
 Zavedené zkreslení dělek: 0.999826334558

-- PODROBNÉ BODY --

000000	00000	1660	24.273	2	1.680	211.1496	93.2562
000000	00000	1661	14.237	2	1.680	263.0246	91.0570
000000	00000	1662	19.312	2	1.680	317.6710	95.0218
000000	00000	1663	15.007	2	1.680	332.4354	106.6396
000000	00000	1664	14.299	2	1.680	338.7138	104.1688
000000	00000	1665	11.437	2	1.680	352.7030	98.7834
000000	00000	1666	12.316	2	1.680	7.6348	96.2830
000000	00000	1667	7.590	2	1.680	90.6834	98.7548
000000	00000	1668	13.324	2	1.680	141.1904	98.7180
000000	00000	1669	12.510	2	1.680	191.4382	101.9624
000000	00000	1670	11.867	2	1.680	210.5868	108.5888
000000	00000	1671	12.386	2	1.680	213.4646	108.3416
000000	00000	1672	8.028	2	1.680	254.0570	116.8964
000000	00000	1673	8.448	2	1.680	254.7560	115.6480
000000	00000	1674	7.411	2	1.680	250.1724	111.4162
000000	00000	1675	7.316	2	1.680	252.7348	111.6128
000000	00000	1676	7.085	2	1.680	252.3270	111.7620
000000	00000	1677	5.217	2	1.680	244.4098	107.0426
000000	00000	1678	6.841	2	1.680	271.2520	112.0246
000000	00000	1679	7.073	2	1.680	271.2508	112.0252
000000	00000	1680	7.086	2	1.680	274.3932	111.9022
000000	00000	1681	7.731	2	1.680	271.5802	116.1336
000000	00000	1682	8.284	2	1.680	271.1602	115.1076
000000	00000	1683	8.845	2	1.680	271.0504	109.4106
000000	00000	1684	8.822	2	1.680	273.0746	107.1180
000000	00000	1685	9.101	2	1.680	253.7894	106.9760
000000	00000	1686	9.378	2	1.680	254.0876	106.7504
000000	00000	1687	9.007	2	1.680	256.2972	109.3180
000000	00000	1688	8.856	2	2.880	262.4606	114.4492
000000	00000	1689	8.769	2	2.880	263.4718	111.6124
000000	00000	1690	4.851	2	1.680	232.4288	105.6344
000000	00000	1691	6.973	2	1.900	260.2698	109.3954
000000	00000	1692	5.783	2	1.680	220.4468	105.8362
000000	00000	1693	5.509	2	1.680	284.7938	109.1574
000000	00000	1694	6.101	2	1.680	291.1488	110.1188

000000	00000	1695	6.675	2	1.680	294.3388	109.7620
000000	00000	1696	7.069	2	1.680	332.5800	103.5812
000000	00000	1697	6.322	2	1.680	309.9728	109.0958
000000	00000	1698	7.355	2	1.680	309.0296	108.5848
000000	00000	1699	6.940	2	1.680	324.1844	104.0492
000000	00000	1700	8.635	2	1.680	327.6604	104.9420
000000	00000	1701	11.760	2	1.680	279.5272	97.8638
000000	00000	1702	11.133	2	1.680	255.4256	99.7762
000000	00000	1703	12.248	2	1.680	251.3832	96.0286
000000	00000	1704	11.754	2	1.680	240.2540	98.0758

== 1 Polární metoda =====

ST:	ČÍSLO	BODU	DÉLKA	VÝŠC	VOD.ÚHEL	ZENIT	P.DOM	P.KOL
			výš.stroje:	1.487				
1:	000000	00000	4014	219.591	2	1.680	178.2512	101.8742

Příloha KV odstavec 13.6(15.4)

	Rozdíl	Mezní	Odch.or.pos	Váha Normovaná	Rozdíl				
výšek:	dělek:	rozdíl:	od prům.:	měření: odchylka:					
1:	000000	00000	4014	-0.029	0.228	0.0000	1.000	0.0000	-

0.023

Orientační posun = 217.5502 g
 $m_0 = \sqrt{[pvv]/(n-1)}$ = 0.0000 g
 mMAX a mezní hodnota norm.odch. = 0.0800 g
 Normovaná odchylka = $v \cdot \sqrt{p}$... kde v je odchylka a p je váha měření
 Zavedené zkreslení dělek: 0.999839253349

-- PODROBNÉ BODY

000000	00000	1705	32.239	2	1.680	347.9380	97.5210
000000	00000	1706	28.840	2	1.680	351.8820	97.4882
000000	00000	1707	27.225	2	1.680	341.6442	97.0516
000000	00000	1708	22.332	2	1.680	335.9110	97.7824
000000	00000	1709	16.490	2	1.900	316.4994	97.4380
000000	00000	1710	15.377	2	1.680	330.8870	98.1502
000000	00000	1711	13.432	2	1.680	316.2454	99.7856
000000	00000	1712	12.056	2	1.680	314.8072	97.0190
000000	00000	1713	11.659	2	1.680	311.4554	96.4314
000000	00000	1714	10.767	2	1.680	307.2484	97.4848
000000	00000	1715	10.321	2	1.680	291.9550	98.0944
000000	00000	1716	32.045	2	1.680	352.3670	97.1880
000000	00000	1717	32.518	2	1.680	352.4222	97.1914
000000	00000	1718	32.650	2	1.680	346.6066	97.1808
000000	00000	1719	32.870	2	1.680	346.4852	97.1324
000000	00000	1720	32.279	2	1.680	349.4860	99.2590
000000	00000	1721	26.961	2	1.680	353.2522	97.0702
000000	00000	1722	27.238	2	1.680	349.5580	98.6678
000000	00000	1723	27.168	2	2.000	349.0884	99.9906
000000	00000	1724	24.014	2	1.680	352.3292	96.6024
000000	00000	1725	20.625	2	1.680	348.9990	96.6026
000000	00000	1726	16.448	2	1.680	335.1138	98.6206
000000	00000	1727	16.472	2	2.000	333.7738	100.4240
000000	00000	1728	20.598	2	2.000	347.6642	99.6102
000000	00000	1729	26.244	2	2.000	349.3032	100.0352
000000	00000	1730	27.346	2	2.000	345.4104	97.7538
000000	00000	1731	26.378	2	2.000	346.0348	99.6164
000000	00000	1732	24.629	2	2.000	338.9654	99.3710
000000	00000	1733	25.195	2	2.000	338.2928	96.2432
000000	00000	1734	22.806	2	2.000	342.7766	99.6174
000000	00000	1735	19.773	2	2.000	342.9840	99.7560
000000	00000	1736	17.925	2	2.000	328.6676	99.6892
000000	00000	1737	22.227	2	2.000	338.0854	98.8222
000000	00000	1738	18.664	2	2.000	329.3228	99.0402
000000	00000	1739	19.600	2	1.680	323.1282	96.9080
000000	00000	1740	14.916	2	1.680	263.1542	99.4848
000000	00000	1741	14.332	2	2.500	263.1718	100.9280
000000	00000	1742	14.812	2	1.680	249.1398	100.6200
000000	00000	1743	13.995	2	1.680	248.5886	104.5998
000000	00000	1744	23.199	2	1.680	212.6758	104.4650

000000	00000	1745	23.904	2	1.680	215.6022	102.5156
000000	00000	1746	31.516	2	1.680	206.5490	101.4516
000000	00000	1747	31.873	2	1.680	206.1618	101.4114
000000	00000	1748	29.964	2	1.680	197.5026	101.4910
000000	00000	1749	29.617	2	2.880	197.8936	98.8872
000000	00000	1750	30.489	2	1.680	202.6648	104.3612
000000	00000	1751	29.793	2	1.680	202.3568	104.0668
000000	00000	1752	30.272	2	1.680	204.3176	103.9560
000000	00000	1753	23.138	2	1.680	204.7146	101.6558
000000	00000	1754	22.541	2	1.680	211.4124	103.7944
000000	00000	1755	22.536	2	1.680	211.6862	104.7052
000000	00000	1756	21.914	2	1.680	209.4178	102.6738
000000	00000	1757	11.115	2	1.680	237.3442	100.4860
000000	00000	1758	13.149	2	1.680	242.8880	104.9280
000000	00000	1759	8.882	2	1.680	279.9018	97.5696
000000	00000	1760	12.903	2	1.680	286.8532	103.4086
000000	00000	1761	26.758	2	1.680	188.9804	102.4064
000000	00000	1762	6.843	2	1.680	195.8870	103.8842
000000	00000	1763	10.233	2	1.680	369.1838	96.3948
000000	00000	1764	30.766	2	1.680	369.8652	97.0882
000000	00000	1765	37.301	2	1.680	333.9722	96.9494
000000	00000	1766	26.890	2	1.680	322.2846	97.2834
000000	00000	1767	21.714	2	1.680	270.8272	98.7500
000000	00000	1768	31.355	2	1.680	219.3120	101.1662
000000	00000	1769	37.789	2	1.680	201.7306	101.5974
000000	00000	1770	38.097	2	1.680	201.4884	101.7386
000000	00000	1771	36.271	2	1.680	193.0496	101.7072
000000	00000	1772	35.893	2	1.680	193.2500	101.6750
000000	00000	1773	37.148	2	2.880	197.5036	101.7338
000000	00000	1774	36.646	2	1.680	192.8492	101.8128
000000	00000	1775	42.913	2	1.680	190.4746	102.2298
000000	00000	1776	43.191	2	1.680	191.2886	102.8692
000000	00000	1777	43.517	2	1.680	193.7490	103.4272
000000	00000	1778	43.741	2	1.680	194.7614	103.4504
000000	00000	1779	45.202	2	1.680	197.0870	101.9810
000000	00000	1780	46.585	2	1.680	191.2434	103.0868
000000	00000	1781	47.793	2	1.680	194.1630	102.5462
000000	00000	1782	49.473	2	1.680	193.8972	102.4976
000000	00000	1783	51.102	2	1.680	194.0270	102.0732
000000	00000	1784	52.903	2	1.680	192.0504	102.7116
000000	00000	1785	52.796	2	1.680	191.6710	103.1456
000000	00000	1786	50.906	2	1.680	193.3448	103.1474
000000	00000	1787	48.475	2	1.680	192.8008	103.2182
000000	00000	1788	48.037	2	1.680	191.9232	103.2180
000000	00000	1789	53.083	2	1.680	190.5370	103.1384
000000	00000	1790	49.967	2	1.680	190.0184	102.9826
000000	00000	1791	41.297	2	1.680	186.2204	102.6850
000000	00000	1792	56.854	2	1.680	192.8198	101.8450
000000	00000	1793	44.379	2	1.680	187.2274	102.9554
000000	00000	1794	56.398	2	1.680	185.8544	101.7698
000000	00000	1795	56.090	2	1.680	189.5532	103.0672
000000	00000	1796	56.168	2	1.680	190.5626	103.0370
000000	00000	1797	59.737	2	1.680	186.5258	102.0322
000000	00000	1798	62.702	2	1.680	191.2348	101.9684
000000	00000	1799	69.392	2	1.680	185.2732	102.1186
000000	00000	1800	71.723	2	1.680	188.4392	102.2506
000000	00000	1801	71.613	2	1.680	186.3990	103.1206
000000	00000	1802	71.889	2	1.680	186.5062	103.3666
000000	00000	1803	72.049	2	2.880	187.6262	102.2958
000000	00000	1804	70.281	2	1.680	187.8568	103.4130
000000	00000	1805	70.087	2	1.680	187.6194	103.2000
000000	00000	1806	64.035	2	2.880	190.6626	102.3848
000000	00000	1807	62.929	2	1.680	189.0146	103.3928
000000	00000	1808	62.686	2	1.680	189.3186	103.8804
000000	00000	1809	61.512	2	1.680	188.2860	103.6182
000000	00000	1810	62.115	2	1.680	188.1332	103.2782
000000	00000	1811	56.674	2	2.880	190.4974	103.2144
000000	00000	1812	56.657	2	2.880	189.4908	103.0674

000000	00000	1813	57.890	2	2.880	191.0730	102.6490
000000	00000	1814	57.357	2	2.880	188.6966	102.8496
000000	00000	1815	76.586	2	1.680	186.4344	102.6206
000000	00000	1816	79.728	2	1.680	184.2634	102.4112
000000	00000	1817	80.374	2	1.680	186.5690	102.6010
000000	00000	1818	86.810	2	1.680	183.4852	102.4832
000000	00000	1819	96.906	2	1.680	181.7688	102.0636
000000	00000	1820	97.305	2	1.680	185.0514	102.2352
000000	00000	1821	97.443	2	1.680	182.9390	102.6828
000000	00000	1822	97.295	2	1.680	183.0570	102.8536
000000	00000	1823	97.153	2	1.680	183.7636	102.9686
000000	00000	1824	101.253	2	1.680	183.4454	102.8246
000000	00000	1825	101.113	2	1.680	183.3636	102.6966
000000	00000	1826	98.866	2	1.680	184.5462	102.9468
000000	00000	1827	104.085	2	1.680	181.9128	102.8370
000000	00000	1828	103.597	2	1.680	181.9728	102.6978
000000	00000	1829	103.755	2	1.680	183.6204	102.8110
000000	00000	1830	104.804	2	1.680	183.0792	102.7782
000000	00000	1831	105.339	2	1.680	184.6154	102.1130
000000	00000	1832	105.243	2	1.680	181.2304	102.0898
000000	00000	1833	105.717	2	1.680	178.3138	101.9474
000000	00000	1834	109.523	2	1.680	186.9896	102.1854
000000	00000	1835	63.170	2	1.680	178.3710	101.9938
000000	00000	1836	71.879	2	1.680	193.4368	102.0386

```

== 1 Polární metoda =====
      ČÍSLO BODU      DÉLKA      VÝŠC      VOD.ÚHEL      ZENIT      P.DOM      P.KOL
ST: 000000 00000 4015  výš.stroje: 1.433
  1: 000000 00000 4014  184.923  2  1.680  345.8948  97.9222
  2: 000000 00000 4016  185.288  2  1.680  161.9790  101.3356
-----

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Příloha KV odstavec 13.6(15.4)

	Rozdíl délek:	Mezní rozdíl:	Odch.or.pos od prům.:	Váha Normovaná měření:	Rozdíl odchylka:
výšek:					
1: 000000 00000 4014	-0.026	0.213	-0.0037	0.998	-0.0037
0.023					
2: 000000 00000 4016	-0.007	0.213	0.0037	1.000	0.0037
0.001					

```

-----
Orientační posun = 182.8313 g
m0 = SQRT([pvv]/(n-1)) = 0.0053 g
mMAX a mezní hodnota norm.odch. = 0.0800 g
Normovaná odchylka = v*SQRT(p) ... kde v je odchylka a p je váha měření
Zavedené zkreslení délek: 0.999841362446

```

```

-- PODROBNÉ BODY -----
000000 00000 1837 262.198 2 1.680 368.5094 98.1186
000000 00000 1838 261.674 2 1.680 368.6696 98.1378
000000 00000 1839 263.324 2 1.680 368.1116 97.8786
000000 00000 1840 255.357 2 1.680 366.4370 97.9330
000000 00000 1841 253.526 2 1.680 366.7096 98.1624
000000 00000 1842 252.998 2 1.680 366.8810 98.1620
000000 00000 1843 252.329 2 1.680 367.0448 98.0542
000000 00000 1844 259.888 2 1.680 368.9892 97.8682
000000 00000 1845 260.389 2 1.680 368.7172 98.0120
000000 00000 1846 248.958 2 1.680 366.4574 98.0416
000000 00000 1847 249.185 2 1.680 366.3148 98.1514
000000 00000 1848 249.316 2 1.680 366.0454 98.1922
000000 00000 1849 249.818 2 1.680 365.8782 98.1760
000000 00000 1850 250.469 2 1.680 365.7520 98.0200
000000 00000 1851 246.818 2 1.680 365.4222 97.9680
000000 00000 1852 246.649 2 1.680 365.6412 98.1934
000000 00000 1853 246.240 2 1.680 365.9530 98.2006
000000 00000 1854 246.189 2 1.680 366.1364 97.9866
000000 00000 1855 243.514 2 1.680 365.7074 97.9942
000000 00000 1856 243.095 2 2.000 365.6308 97.8970
000000 00000 1857 243.083 2 1.680 365.6402 97.9728
000000 00000 1858 245.717 2 1.680 364.7906 97.9884
000000 00000 1859 245.525 2 1.680 364.7118 97.9846

```

000000	00000	1860	245.865	2	1.680	364.8678	98.0176
000000	00000	1861	243.693	2	1.680	365.6286	97.9924
000000	00000	1862	243.933	2	1.680	365.5850	98.1732
000000	00000	1863	245.117	2	1.680	365.0734	98.2252
000000	00000	1864	244.917	2	1.680	365.1634	98.2820
000000	00000	1865	246.029	2	1.680	365.3490	98.1334
000000	00000	1866	245.794	2	1.680	365.4326	98.1868
000000	00000	1867	245.397	2	1.680	364.3168	98.0378
000000	00000	1868	241.395	2	1.680	367.8076	97.8512
000000	00000	1869	250.727	2	1.680	363.8830	98.0546
000000	00000	1870	160.957	2	1.680	357.8298	98.6340
000000	00000	1871	161.223	2	1.680	357.9274	98.6340
000000	00000	1872	160.079	2	1.680	359.4080	98.6436
000000	00000	1873	160.338	2	1.680	359.4206	98.6244
000000	00000	1874	160.333	2	1.680	358.4592	99.0158
000000	00000	1875	158.775	2	1.680	358.5792	98.8224
000000	00000	1876	158.354	2	1.680	357.9072	99.0702
000000	00000	1877	157.939	2	1.680	358.4434	99.0482
000000	00000	1878	156.208	2	1.680	357.3892	99.0756
000000	00000	1879	154.638	2	1.680	358.2274	98.8382
000000	00000	1880	152.706	2	1.680	357.4830	99.0704
000000	00000	1881	149.105	2	1.680	357.6860	98.9038
000000	00000	1882	147.285	2	1.680	357.3780	98.9650
000000	00000	1883	143.104	2	1.680	357.0086	98.9650
000000	00000	1884	133.573	2	1.680	355.2496	99.1372
000000	00000	1885	118.999	2	1.680	353.8328	99.2162
000000	00000	1886	106.738	2	1.680	352.0674	99.3736
000000	00000	1887	105.839	2	1.680	351.6586	99.5566
000000	00000	1888	104.464	2	1.680	351.5458	99.4842
000000	00000	1889	103.466	2	1.680	349.7578	99.9116
000000	00000	1890	103.285	2	1.680	350.4950	99.8820
000000	00000	1891	102.200	2	1.680	350.7756	99.9204
000000	00000	1892	101.737	2	1.680	350.1746	99.9178
000000	00000	1893	99.765	2	1.680	350.2296	99.9974
000000	00000	1894	98.732	2	1.680	349.4162	100.0322
000000	00000	1895	99.123	2	1.680	350.1816	99.6800
000000	00000	1896	100.757	2	1.680	351.5624	99.6122
000000	00000	1897	101.068	2	1.680	349.7482	99.7736
000000	00000	1898	98.728	2	1.680	348.3500	99.5936
000000	00000	1899	95.514	2	1.680	347.8680	99.7340
000000	00000	1900	96.936	2	1.680	349.1218	100.1066
000000	00000	1901	96.082	2	1.680	349.3444	100.1200
000000	00000	1902	94.940	2	1.680	348.4080	100.1200
000000	00000	1903	92.498	2	1.680	348.7574	99.9026
000000	00000	1904	91.713	2	1.680	348.3508	99.8598
000000	00000	1905	91.812	2	1.680	346.1598	99.7204
000000	00000	1906	90.471	2	1.680	349.0284	99.8604
000000	00000	1907	90.617	2	1.680	347.2282	100.3716
000000	00000	1908	90.504	2	1.680	347.8358	100.4132
000000	00000	1909	86.359	2	1.680	344.9312	99.7926
000000	00000	1910	84.138	2	1.680	344.6362	100.0482
000000	00000	1911	79.101	2	1.680	343.4972	100.5540
000000	00000	1912	76.301	2	1.680	343.1240	100.6390
000000	00000	1913	71.058	2	1.680	341.0134	100.8420
000000	00000	1914	67.117	2	1.680	338.8356	101.0104
000000	00000	1915	70.040	2	1.680	342.4552	100.3756
000000	00000	1916	72.268	2	1.680	338.5306	100.3192
000000	00000	1917	70.192	2	1.680	340.4018	101.1340
000000	00000	1918	70.737	2	1.680	339.7500	101.2230
000000	00000	1919	68.307	2	1.680	344.9558	100.2472
000000	00000	1920	73.422	2	1.680	335.3652	100.3240
000000	00000	1921	63.367	2	1.680	336.9636	100.8186
000000	00000	1922	61.099	2	1.680	335.3320	101.0652
000000	00000	1923	63.234	2	1.680	333.8080	100.8864
000000	00000	1924	62.536	2	1.680	333.8826	101.5370
000000	00000	1925	58.351	2	1.680	333.8276	101.1342
000000	00000	1926	55.474	2	1.680	331.3644	101.3258
000000	00000	1927	53.755	2	1.680	329.8554	101.3554

000000	00000	1928	51.620	2	2.000	327.3972	101.2585
000000	00000	1929	33.809	2	1.680	315.6636	103.1342
000000	00000	1930	38.272	2	1.680	309.6604	103.0134
000000	00000	1931	38.489	2	1.680	306.1200	103.5636
000000	00000	1932	40.864	2	1.680	310.6936	103.9460
000000	00000	1933	41.762	2	1.680	309.4724	103.7996
000000	00000	1934	44.115	2	1.680	311.8616	103.5074
000000	00000	1935	44.593	2	1.680	311.4474	102.3510
000000	00000	1936	48.703	2	1.680	307.8402	101.6928
000000	00000	1937	42.620	2	1.680	314.6546	102.9422
000000	00000	1938	36.099	2	1.680	297.1602	104.4906
000000	00000	1939	34.921	2	1.680	292.5744	104.6256
000000	00000	1940	31.629	2	1.680	292.9028	103.9442
000000	00000	1941	32.379	2	1.680	286.3586	105.8700
000000	00000	1942	35.105	2	1.680	291.5462	105.0036
000000	00000	1943	36.011	2	1.680	289.7260	105.0078
000000	00000	1944	35.143	2	1.680	287.8526	104.4536
000000	00000	1945	34.880	2	1.680	285.6958	104.5876
000000	00000	1946	34.484	2	1.680	283.1254	104.2888
000000	00000	1947	35.518	2	1.680	274.4432	103.9024
000000	00000	1948	33.821	2	1.680	280.9424	104.4000
000000	00000	1949	32.696	2	1.680	278.1736	106.0832
000000	00000	1950	32.944	2	1.680	266.9220	105.4474
000000	00000	1951	33.423	2	1.680	264.4628	104.6534
000000	00000	1952	30.613	2	1.680	264.6666	105.2842
000000	00000	1953	32.068	2	1.680	265.0832	106.9890
000000	00000	1954	32.169	2	1.680	251.8650	107.4676
000000	00000	1955	31.872	2	1.680	251.8356	107.4958
000000	00000	1956	32.568	2	1.680	252.0794	107.2776
000000	00000	1957	29.839	2	1.680	251.5376	105.8126
000000	00000	1958	34.610	2	1.680	252.9286	104.9746
000000	00000	1959	34.519	2	1.680	250.8242	105.0546
000000	00000	1960	41.614	2	1.680	256.4666	104.0404
000000	00000	1961	22.881	2	1.680	248.3876	107.6688
000000	00000	1962	33.330	2	1.680	238.3054	106.5122
000000	00000	1963	38.341	2	1.680	221.3994	105.9890
000000	00000	1964	42.739	2	1.680	214.8042	106.1146
000000	00000	1965	42.234	2	1.680	214.6266	106.2434
000000	00000	1966	41.184	2	1.680	212.1338	105.4820
000000	00000	1967	37.392	2	1.680	204.9760	105.7084
000000	00000	1968	44.162	2	1.680	215.8182	104.3818
000000	00000	1969	50.249	2	1.680	221.7198	104.1032
000000	00000	1970	50.209	2	1.680	202.9582	105.0808
000000	00000	1971	57.132	2	1.680	200.6984	104.3348
000000	00000	1972	60.882	2	1.680	196.6358	104.3592
000000	00000	1973	60.855	2	1.680	195.6990	104.8790
000000	00000	1974	59.108	2	1.680	197.6280	105.0688
000000	00000	1975	57.339	2	1.680	199.8112	104.7602
000000	00000	1976	55.488	2	1.680	199.5548	105.3156
000000	00000	1977	54.641	2	1.680	199.2432	105.3708
000000	00000	1978	70.258	2	1.680	188.7644	104.2084
000000	00000	1979	73.508	2	1.680	187.3410	104.0480
000000	00000	1980	74.812	2	1.680	186.9052	104.0672
000000	00000	1981	75.278	2	1.680	188.0442	104.1030
000000	00000	1982	74.764	2	1.680	187.2830	104.2734
000000	00000	1983	74.948	2	1.680	187.8538	104.2236
000000	00000	1984	75.286	2	1.680	187.0202	104.3890
000000	00000	1985	75.599	2	1.680	187.6174	104.3782
000000	00000	1986	76.432	2	1.680	189.1508	103.6218
000000	00000	1987	80.110	2	1.680	193.6204	103.6026
000000	00000	1988	74.532	2	1.680	185.6422	103.7658
000000	00000	1989	72.964	2	1.680	180.4096	103.5664
000000	00000	1990	82.399	2	1.680	183.9264	103.8176
000000	00000	1991	84.517	2	1.680	183.3740	103.8016
000000	00000	1992	84.033	2	1.680	184.6030	103.8924
000000	00000	1993	86.015	2	1.680	182.8012	103.7496
000000	00000	1994	92.522	2	1.680	181.2632	103.7632
000000	00000	1995	91.694	2	1.680	176.5978	103.1426

000000	00000	1996	92.945	2	1.680	179.4216	103.2492
000000	00000	1997	94.207	2	1.680	180.9062	103.9752
000000	00000	1998	94.317	2	1.680	181.4520	103.9586
000000	00000	1999	94.111	2	1.680	182.9602	103.3182
000000	00000	2000	90.250	2	1.680	183.8208	103.3896
000000	00000	2001	90.631	2	1.680	183.0208	104.1036
000000	00000	2002	89.010	2	1.680	182.9846	104.0008
000000	00000	2003	88.478	2	1.680	182.5746	104.0136
000000	00000	2004	93.861	2	1.680	187.4396	103.2566
000000	00000	2005	98.230	2	1.680	180.8672	103.7086
000000	00000	2006	98.664	2	1.680	178.5842	103.2724
000000	00000	2007	102.042	2	1.680	179.0512	103.5266
000000	00000	2008	107.875	2	1.680	178.0146	103.4968

== 1 Polární metoda =====

ST:	ČÍSLO	BODU	DĚLKA	VÝŠC	VOD.ÚHEL	ZENIT	P.DOM	P.KOL
			výš.stroje:	1.522				
1:	000000	00000	4015	185.286	2	1.680	153.0156	98.5276
2:	000000	00000	4017	214.847	2	1.680	353.7108	102.9902

Příloha KV odstavec 13.6(15.4)

	Rozdíl délek:	Mezní rozdíl:	Odch.or.pos od prům.:	Váha Normovaná měření: odchylna:	Rozdíl
výšek:					
1:	000000 00000 4015	0.003	0.213	0.0000	0.863 0.0000
0.008					
2:	000000 00000 4017	-0.000	0.226	-0.0000	1.000 -0.0000
0.000					

Orientační posun = 391.7909 g
 $m_0 = \sqrt{[pvv]/(n-1)}$ = 0.0000 g
 mMAX a mezní hodnota norm.odch. = 0.0800 g
 Normovaná odchylna = $v \cdot \sqrt{p}$... kde v je odchylna a p je váha měření
 Zavedené zkreslení délek: 0.999842012905

--- PODROBNÉ BODY ---

000000	00000	2009	118.608	2	1.680	367.1276	103.3474
000000	00000	2010	119.001	2	1.680	370.0366	103.1358
000000	00000	2011	121.034	2	1.680	372.9490	102.9288
000000	00000	2012	124.833	2	1.680	378.0340	102.9160
000000	00000	2013	120.400	2	1.680	372.5020	103.2720
000000	00000	2014	119.821	2	2.880	371.5136	103.3670
000000	00000	2015	117.083	2	1.680	370.8052	103.4564
000000	00000	2016	117.661	2	1.680	371.0956	103.5036
000000	00000	2017	115.349	2	1.680	371.6478	103.6206
000000	00000	2018	116.181	2	1.680	371.8050	103.8904
000000	00000	2019	116.803	2	1.680	371.7990	103.9772
000000	00000	2020	115.798	2	1.680	372.7958	103.8722
000000	00000	2021	118.200	2	1.680	373.5436	103.1778
000000	00000	2022	115.604	2	1.680	373.5072	103.6000
000000	00000	2023	114.402	2	1.680	373.8536	103.3982
000000	00000	2024	112.195	2	1.680	372.2706	103.6532
000000	00000	2025	108.342	2	1.680	372.3744	103.8696
000000	00000	2026	99.483	2	1.680	373.4654	103.9788
000000	00000	2027	98.475	2	1.680	373.4798	103.9802
000000	00000	2028	96.656	2	1.680	373.8984	104.0912
000000	00000	2029	94.940	2	1.680	372.4940	103.7908
000000	00000	2030	93.181	2	1.680	368.4802	103.8756
000000	00000	2031	90.006	2	1.680	374.5620	104.1228
000000	00000	2032	95.703	2	1.680	375.3656	104.8314
000000	00000	2033	95.103	2	1.680	375.2730	104.4620
000000	00000	2034	90.866	2	1.680	376.6042	104.2800
000000	00000	2035	92.541	2	1.680	376.8588	104.2814
000000	00000	2036	93.049	2	1.680	376.2058	104.6026
000000	00000	2037	95.055	2	1.680	376.1024	104.4836
000000	00000	2038	94.848	2	1.680	376.5508	104.1572
000000	00000	2039	96.209	2	1.680	375.9244	104.5732
000000	00000	2040	93.982	2	1.680	381.2020	103.8720
000000	00000	2041	92.234	2	1.680	380.7670	104.4694
000000	00000	2042	89.956	2	1.680	380.9196	103.9706

000000	00000	2043	86.365	2	1.680	376.9288	104.9050
000000	00000	2044	86.142	2	1.680	376.4444	104.8740
000000	00000	2045	73.271	2	1.680	378.7102	104.8836
000000	00000	2046	68.603	2	1.680	382.2278	105.0200
000000	00000	2047	30.189	2	1.680	22.2590	109.6632
000000	00000	2048	35.562	2	1.680	34.8344	107.6730
000000	00000	2049	28.588	2	1.680	33.7786	109.5740
000000	00000	2050	27.231	2	1.680	31.6780	111.9286
000000	00000	2051	26.487	2	1.680	31.4660	112.1474
000000	00000	2052	24.408	2	1.680	27.0344	111.4118
000000	00000	2053	18.572	2	1.680	22.0288	114.0688
000000	00000	2054	27.201	2	1.680	54.6746	109.3832
000000	00000	2055	27.888	2	1.680	64.3440	108.3670
000000	00000	2056	28.215	2	1.680	70.7122	108.6802
000000	00000	2057	29.007	2	1.680	82.6346	108.5088
000000	00000	2058	39.185	2	1.680	90.8632	105.3528
000000	00000	2059	33.669	2	1.680	92.8494	106.5262
000000	00000	2060	31.687	2	1.680	93.7670	108.3672
000000	00000	2061	31.142	2	1.680	94.7596	108.4102
000000	00000	2062	29.182	2	1.680	98.3856	107.0182
000000	00000	2063	25.614	2	1.680	109.7084	107.2652
000000	00000	2064	33.318	2	1.680	100.6620	106.4494
000000	00000	2065	34.694	2	1.680	102.4476	106.3902
000000	00000	2066	34.649	2	1.680	97.2754	107.2512
000000	00000	2067	36.354	2	1.680	109.5636	105.0640
000000	00000	2068	43.647	2	1.680	114.3414	104.6110
000000	00000	2069	39.740	2	1.680	114.6810	104.5506
000000	00000	2070	41.959	2	1.680	111.8286	105.5314
000000	00000	2071	42.429	2	1.680	110.7290	105.5556
000000	00000	2072	43.247	2	1.680	109.6518	105.2190
000000	00000	2073	43.417	2	1.680	108.6396	104.3028
000000	00000	2074	52.388	2	1.680	117.7184	104.0146
000000	00000	2075	52.531	2	1.680	117.1970	103.3408
000000	00000	2076	51.111	2	1.680	120.1726	103.8380
000000	00000	2077	55.341	2	1.680	122.4522	103.9422
000000	00000	2078	55.593	2	1.680	121.8498	103.9566
000000	00000	2079	56.870	2	1.680	120.2996	102.8738
000000	00000	2080	60.062	2	1.680	122.2168	102.6032
000000	00000	2081	60.674	2	1.680	124.2112	103.0566
000000	00000	2082	70.005	2	1.680	125.3078	101.9444
000000	00000	2083	69.882	2	1.680	127.5974	102.5076
000000	00000	2084	68.477	2	1.680	127.3842	102.8164
000000	00000	2085	68.630	2	1.680	128.1596	102.7954
000000	00000	2086	69.138	2	1.680	128.5798	102.4566
000000	00000	2087	67.918	2	1.680	130.0510	101.8760

```

== 1 Polární metoda =====
                ČÍSLO BODU      DÉLKA      VÝŠC      VOD.ÚHEL      ZENIT      P.DOM      P.KOL
ST: 000000 00000 4017      výš.stroje: 1.535
1: 000000 00000 4016      214.868  2  1.680  130.9908  96.9270

```

Příloha KV odstavec 13.6(15.4)

	Rozdíl délek:	Mezní rozdíl:	Odch.or.pos od prům.:	Váha Normovaná měření: odchylka:	Rozdíl
výšek:					
1: 000000 00000 4016	-0.008	0.226	0.0000	1.000	0.0000

```

-----
Orientační posun = 14.5109 g
m0 = SQRT([pvv]/(n-1)) = 0.0000 g
mMAX a mezní hodnota norm.odch. = 0.0800 g
Normovaná odchylka = v*SQRT(p) ... kde v je odchylka a p je váha měření
Zavedené zkreslení délek: 0.999843624221

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-- PODROBNÉ BODY -----
000000 00000 2088      98.167  2  1.680  110.8488  97.1944
000000 00000 2089      99.488  2  1.680  107.2982  97.3468
000000 00000 2090      98.484  2  2.880  108.6324  97.8996
000000 00000 2091      98.212  2  2.880  109.2918  97.9132
000000 00000 2092      98.629  2  2.880  109.0552  97.7148

```

000000	00000	2093	92.309	2	1.680	107.7744	98.1708
000000	00000	2094	90.327	2	1.680	106.9294	98.2716
000000	00000	2095	86.972	2	1.680	106.8726	97.6058
000000	00000	2096	72.671	2	1.680	105.2822	97.8052
000000	00000	2097	73.747	2	1.680	101.6372	98.0534
000000	00000	2098	74.903	2	1.680	99.8642	99.0132
000000	00000	2099	75.059	2	1.680	99.2884	99.0586
000000	00000	2100	76.632	2	1.680	97.2810	97.9362
000000	00000	2101	78.815	2	1.680	92.7022	97.9370
000000	00000	2102	58.212	2	1.680	72.6746	98.8614
000000	00000	2103	53.171	2	1.680	74.5996	99.0560
000000	00000	2104	51.221	2	1.680	76.8406	100.5714
000000	00000	2105	50.223	2	1.680	76.9400	100.5712
000000	00000	2106	47.861	2	1.680	78.2016	99.2638
000000	00000	2107	44.117	2	1.680	82.7616	98.9536
000000	00000	2108	43.732	2	1.680	62.2586	100.5114
000000	00000	2109	41.841	2	1.680	53.4154	100.8774
000000	00000	2110	41.508	2	1.680	50.5358	100.8764
000000	00000	2111	40.623	2	1.680	47.7696	100.9060
000000	00000	2112	34.203	2	1.680	40.2398	100.0802
000000	00000	2113	37.969	2	1.680	40.3968	100.2988
000000	00000	2114	39.890	2	1.680	40.2130	101.2230
000000	00000	2115	40.490	2	1.680	40.4172	101.9150
000000	00000	2116	43.021	2	1.680	43.3998	101.7366
000000	00000	2117	42.774	2	1.680	43.4190	101.4218
000000	00000	2118	42.106	2	1.680	54.1786	101.5152
000000	00000	2119	46.734	2	1.680	61.1870	99.9480
000000	00000	2120	45.511	2	1.680	64.2104	101.1506
000000	00000	2121	45.487	2	1.680	59.5594	101.2060
000000	00000	2122	44.352	2	1.680	56.2918	101.2564
000000	00000	2123	44.404	2	1.680	44.1706	100.1550
000000	00000	2124	43.867	2	1.680	43.6996	101.6720
000000	00000	2125	43.416	2	1.680	36.1830	100.5398
000000	00000	2126	41.828	2	1.680	38.6740	101.4860
000000	00000	2127	41.396	2	1.680	38.7200	102.0168
000000	00000	2128	42.190	2	1.680	36.1710	102.0694
000000	00000	2129	40.459	2	1.680	34.8088	101.2548
000000	00000	2130	40.752	2	1.680	32.4796	101.2558
000000	00000	2131	38.274	2	1.680	29.2552	100.6046
000000	00000	2132	40.791	2	1.680	29.7274	102.2520
000000	00000	2133	42.877	2	1.680	31.5674	101.9410
000000	00000	2134	43.418	2	1.680	31.3212	100.7542
000000	00000	2135	41.733	2	1.680	26.9824	102.2862
000000	00000	2136	41.960	2	1.680	18.7786	101.7448
000000	00000	2137	55.251	2	1.680	377.3430	101.5122
000000	00000	2138	58.368	2	1.680	381.7534	101.4320
000000	00000	2139	59.211	2	1.680	383.3790	101.9796
000000	00000	2140	60.634	2	1.680	385.3526	101.9514
000000	00000	2141	61.761	2	1.680	386.6678	101.4068
000000	00000	2142	68.042	2	1.680	391.8950	100.4072
000000	00000	2143	53.952	2	1.680	19.2492	98.3054
000000	00000	2144	74.258	2	1.680	385.3720	101.0644
000000	00000	2145	74.236	2	1.680	373.8386	101.6660
000000	00000	2146	73.539	2	1.680	376.0822	101.5816
000000	00000	2147	72.534	2	1.680	374.9204	102.2998
000000	00000	2148	72.321	2	1.680	374.1138	102.3474
000000	00000	2149	79.447	2	1.680	369.8492	101.7854
000000	00000	2150	81.862	2	1.680	368.7656	101.7236
000000	00000	2151	87.280	2	1.680	366.6250	101.6532
000000	00000	2152	82.534	2	1.680	370.7828	101.4676
000000	00000	2153	87.549	2	1.680	368.6660	101.6170
000000	00000	2154	88.340	2	1.680	368.3200	101.6114
000000	00000	2155	91.111	2	1.680	367.3144	101.5316
000000	00000	2156	92.065	2	1.680	367.1034	101.5750
000000	00000	2157	102.449	2	1.680	368.5482	101.4266
000000	00000	2158	99.366	2	1.680	364.3980	101.7090
000000	00000	2159	98.478	2	1.680	363.8484	102.2114
000000	00000	2160	97.859	2	1.680	363.3180	102.1320

000000	00000	2161	97.297	2	1.680	361.8080	101.5772
000000	00000	2162	96.095	2	1.680	357.4444	101.5710
000000	00000	2163	106.375	2	1.680	360.7318	101.7160
000000	00000	2164	109.164	2	1.680	360.0202	101.7476
000000	00000	2165	122.522	2	1.680	356.8204	101.5838
000000	00000	2166	124.266	2	1.680	358.1304	101.6864
000000	00000	2167	125.328	2	1.680	357.7574	101.6186
000000	00000	2168	126.525	2	1.680	358.2642	101.4818
000000	00000	2169	133.909	2	1.680	361.0250	101.5026
000000	00000	2170	132.034	2	1.680	357.1312	101.5148
000000	00000	2171	132.217	2	1.680	356.4064	101.8910
000000	00000	2172	131.767	2	1.680	356.1100	101.8918
000000	00000	2173	131.062	2	1.680	354.7376	101.3736
000000	00000	2174	130.703	2	1.680	352.4650	101.4206
000000	00000	2175	144.699	2	1.680	353.7498	101.5034
000000	00000	2176	147.699	2	1.680	354.8714	101.3994
000000	00000	2177	151.004	2	1.680	354.1882	101.4080
000000	00000	2178	157.128	2	1.680	352.1834	101.4234
000000	00000	2179	165.033	2	1.680	349.1554	101.2868
000000	00000	2180	163.923	2	1.680	351.0636	101.2844
000000	00000	2181	164.473	2	1.680	351.7372	101.6164
000000	00000	2182	164.327	2	1.680	352.1012	101.6054
000000	00000	2183	164.857	2	1.680	353.0550	101.2484
000000	00000	2184	166.929	2	1.680	354.7026	101.2872
000000	00000	2185	172.128	2	1.680	351.4864	101.3476
000000	00000	2186	167.240	2	1.680	351.2690	101.3982
000000	00000	2187	176.337	2	1.680	351.8608	101.1914
000000	00000	2188	178.688	2	1.680	352.2532	101.2402
000000	00000	2189	193.179	2	1.680	351.9506	101.2656
000000	00000	2190	197.006	2	1.680	349.9066	101.2276
000000	00000	2191	198.165	2	1.680	349.5592	101.2480
000000	00000	2192	197.247	2	1.680	349.2614	101.3202
000000	00000	2193	195.999	2	1.680	349.0986	101.5272
000000	00000	2194	195.483	2	1.680	348.9752	101.5670
000000	00000	2195	199.847	2	1.680	349.2864	101.2586
000000	00000	2196	200.047	2	1.680	348.9474	101.5352
000000	00000	2197	205.918	2	1.680	349.7240	101.5712
000000	00000	2198	205.561	2	1.680	350.9052	101.2506
000000	00000	2199	205.083	2	1.680	350.2866	101.4902
000000	00000	2200	210.671	2	1.680	349.3236	101.5778
000000	00000	2201	211.820	2	1.680	349.0532	101.3438
000000	00000	2202	210.246	2	1.680	348.9296	101.3774
000000	00000	2203	208.385	2	1.680	348.9070	101.4410
000000	00000	2204	198.405	2	1.680	347.5938	101.3440
000000	00000	2205	195.139	2	1.680	347.4344	101.3550
000000	00000	2206	192.550	2	1.680	347.2424	101.4260
000000	00000	2207	191.199	2	1.680	347.1252	101.4376
000000	00000	2208	191.248	2	1.680	347.3034	101.5912
000000	00000	2209	189.818	2	1.680	348.2674	101.6310
000000	00000	2210	188.754	2	1.680	348.4736	101.1892
000000	00000	2211	189.754	2	1.680	349.0458	101.2274
000000	00000	2212	193.119	2	1.680	348.9436	101.3510
000000	00000	2213	194.479	2	1.680	348.0714	101.4188
000000	00000	2214	194.224	2	2.000	347.8362	101.6242
000000	00000	2215	194.243	2	2.000	348.4106	101.5000
000000	00000	2216	194.061	2	2.000	348.6354	101.5118
000000	00000	2217	195.153	2	2.000	348.0248	101.5418
000000	00000	2218	187.404	2	2.000	347.5702	101.6440
000000	00000	2219	186.970	2	2.000	347.7260	101.1480
000000	00000	2220	174.851	2	2.000	348.8622	101.1224