



ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ V PRAZE

FAKULTA DOPRAVNÍ

Jaroslav Pinkas

**Stabilita jízdních souprav zemědělských strojů při
brždění**

**Stability of Agricultural Trailer Machinery During the
Braking**

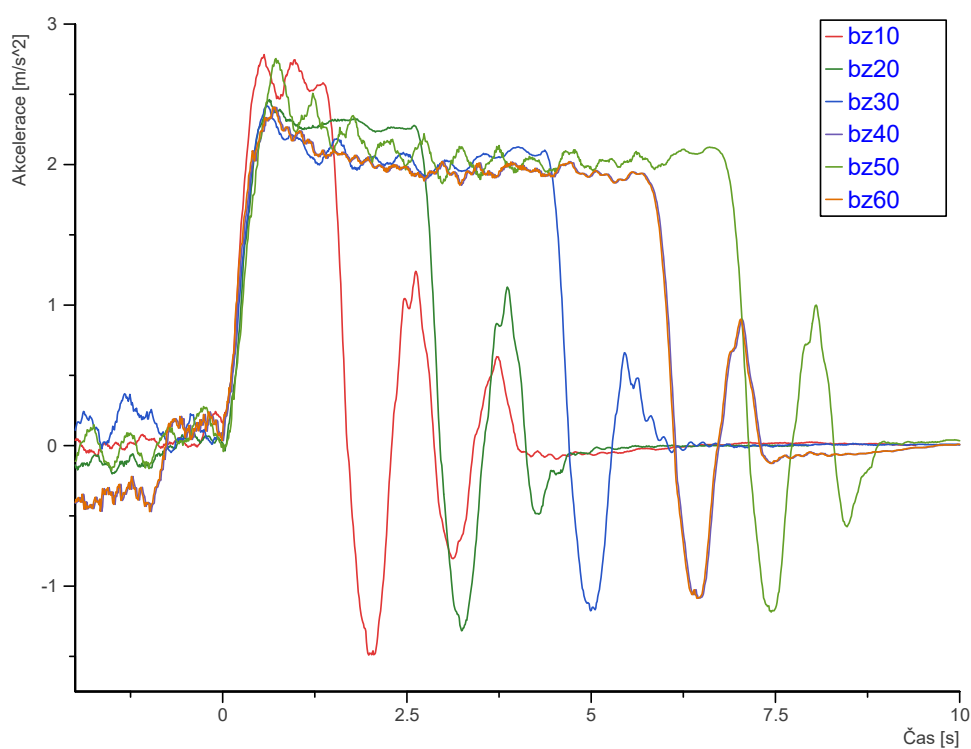
Příloha B – Grafické vyhodnocení měření

2018

Grafické výstupy

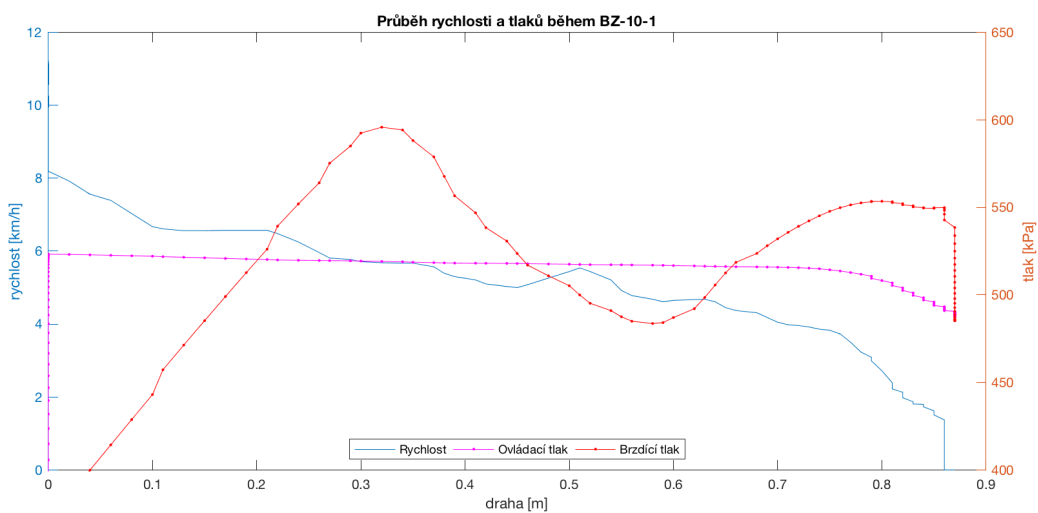
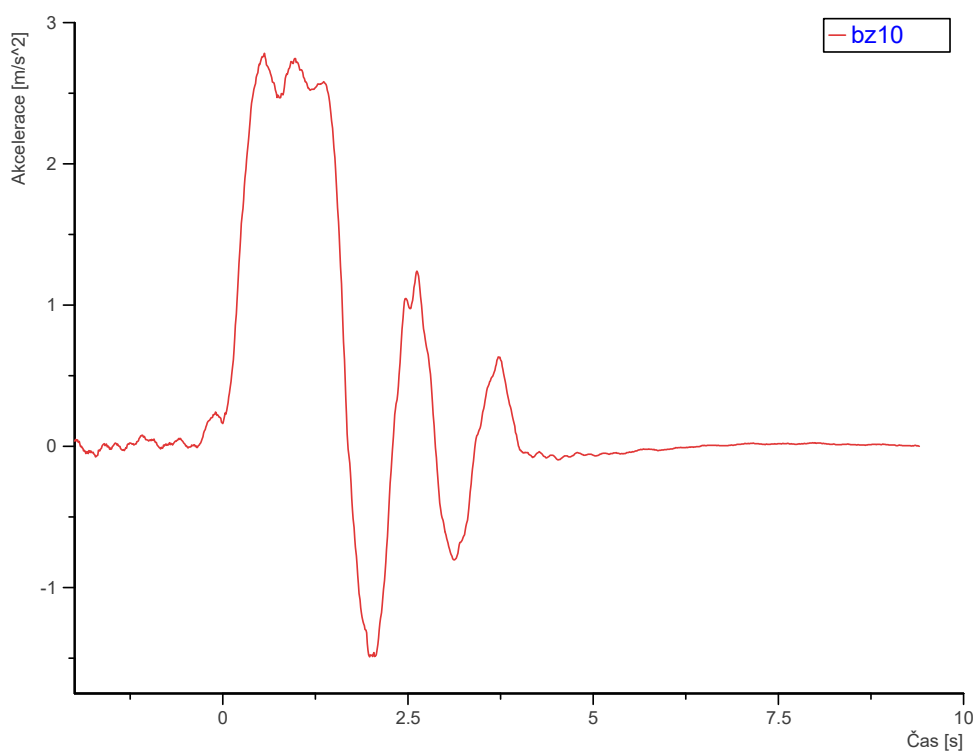
V této příloze jsou tabulky s daty k jednotlivým typům provedených zkoušek brždění a grafické znázornění průběhu rychlosti a tlaků v závislosti na brzdě dráze. Dále jsou vybrány některé výstupy průběhu zpomalení během brždění v závislosti na čase ze sdružených přijímačů. Jedná se o výstupy ze sdruženého snímače umístěného na oji návěsu vč.00501403 především z prvního měření dané rychlosti nejednalo-li se o zvláštní případy, kdy se výstupy lišily.

Měření BZ a BV

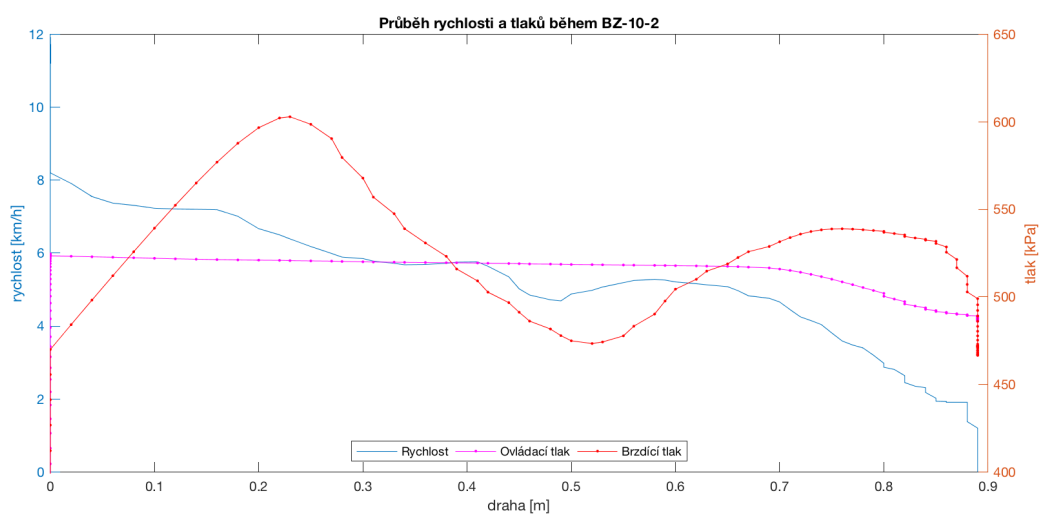
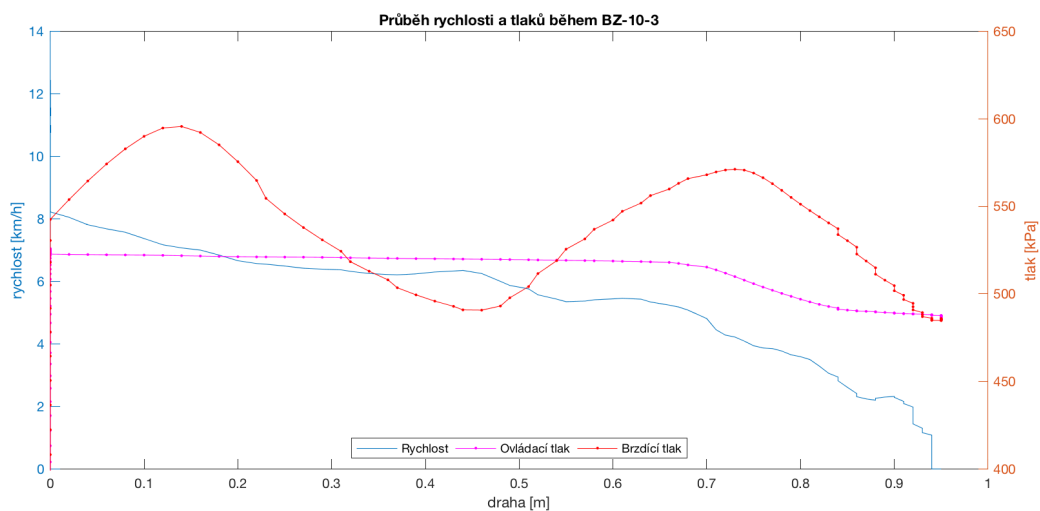


BZ10

	V ₀ [km/h]	Ovl. tlak [kPa]	V _b [km/h]	V _e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
BZ10-1	10	520	8	0	595	0,87	0,2893	0,497
BZ10-2	10	520	8	0	600	0,89	0,2828	0,4856
BZ10-3	10	520	8	0	580	0,95	0,2649	0,4545



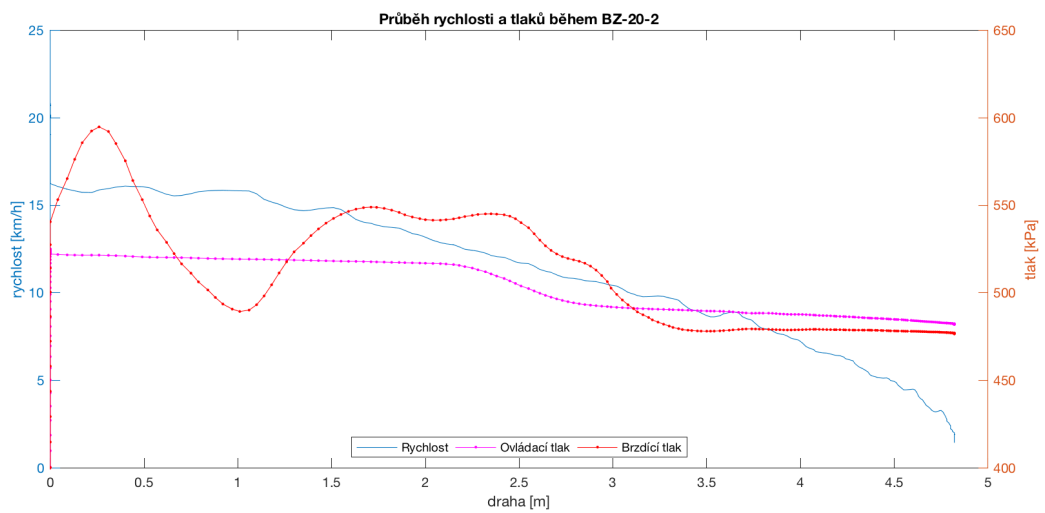
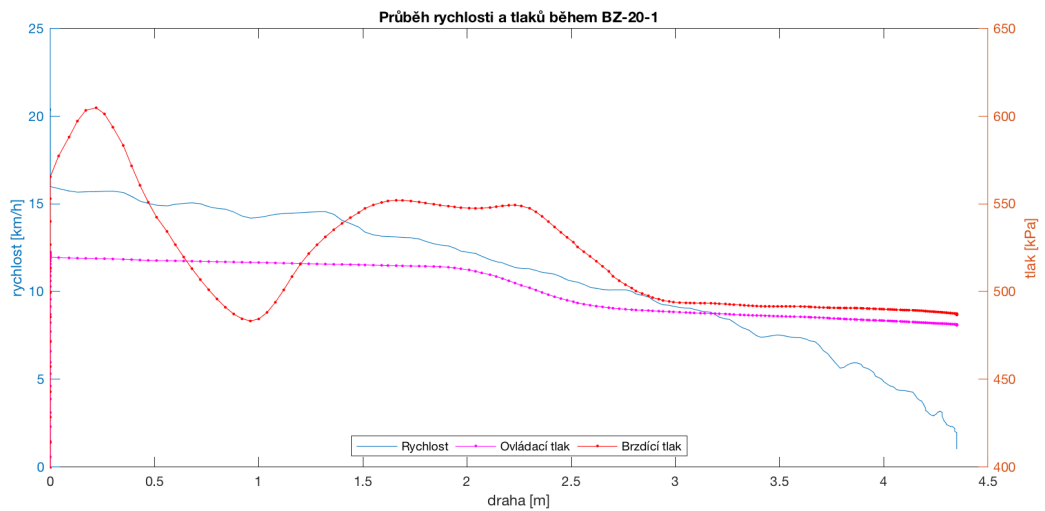
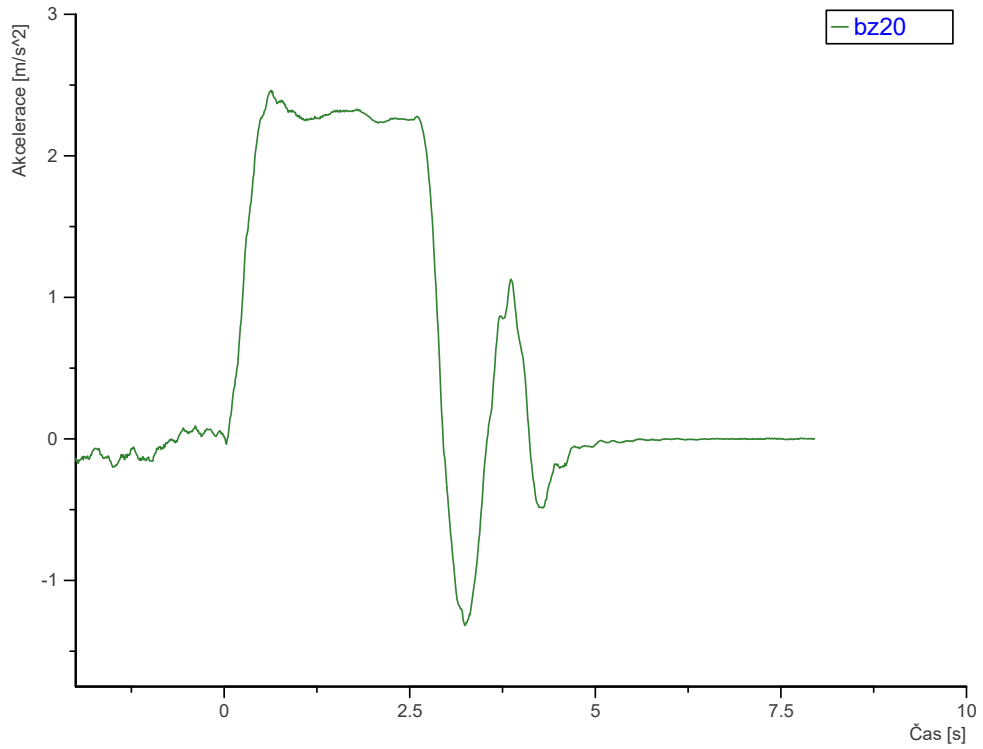
Příloha B



BZ20

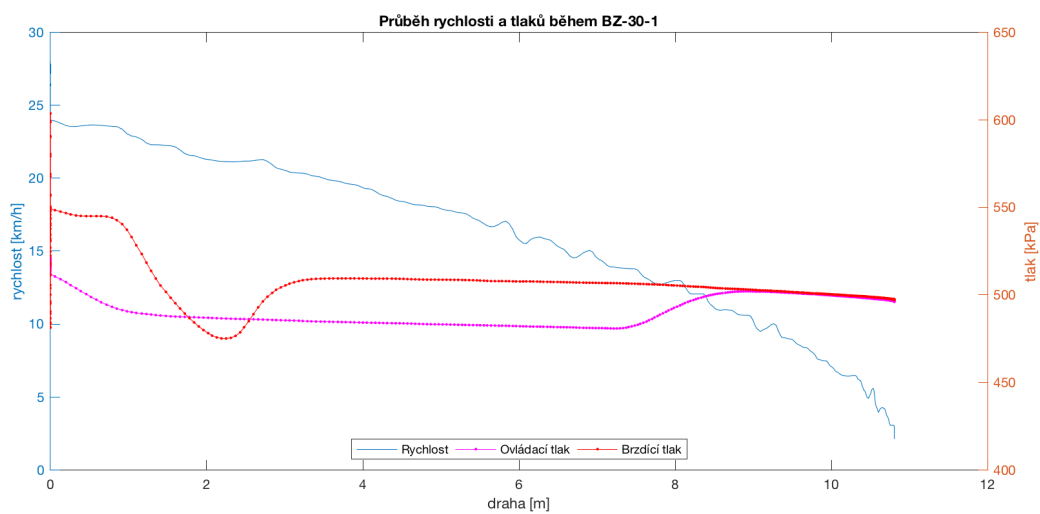
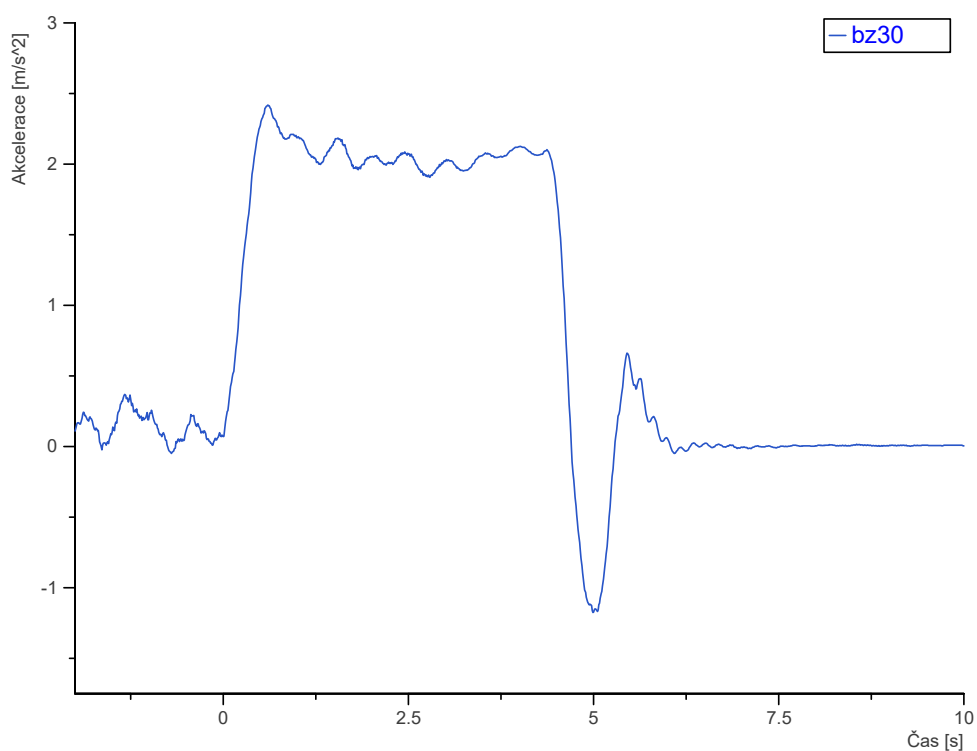
	V_0 [km/h]	Ovl. tlak [kPa]	V_b [km/h]	V_e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
BZ20-1	20	485	16	1,9	490	4,35	0,2282	0,3904
BZ20-2	20	490	16,2	2	480	4,82	0,2109	0,3602

Příloha B

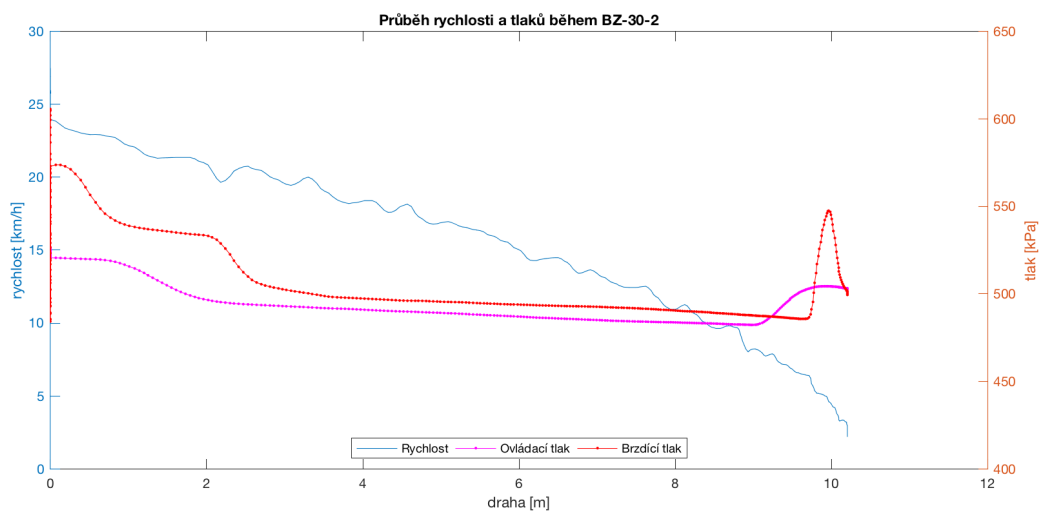


BZ30

	V ₀ [km/h]	Ovl. tlak [kPa]	V _b [km/h]	V _e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
BZ30-1	30	490	24	2,9	505	10,8	0,2067	0,3529
BZ30-2	30	490	24	2,9	500	10,2	0,2188	0,3741

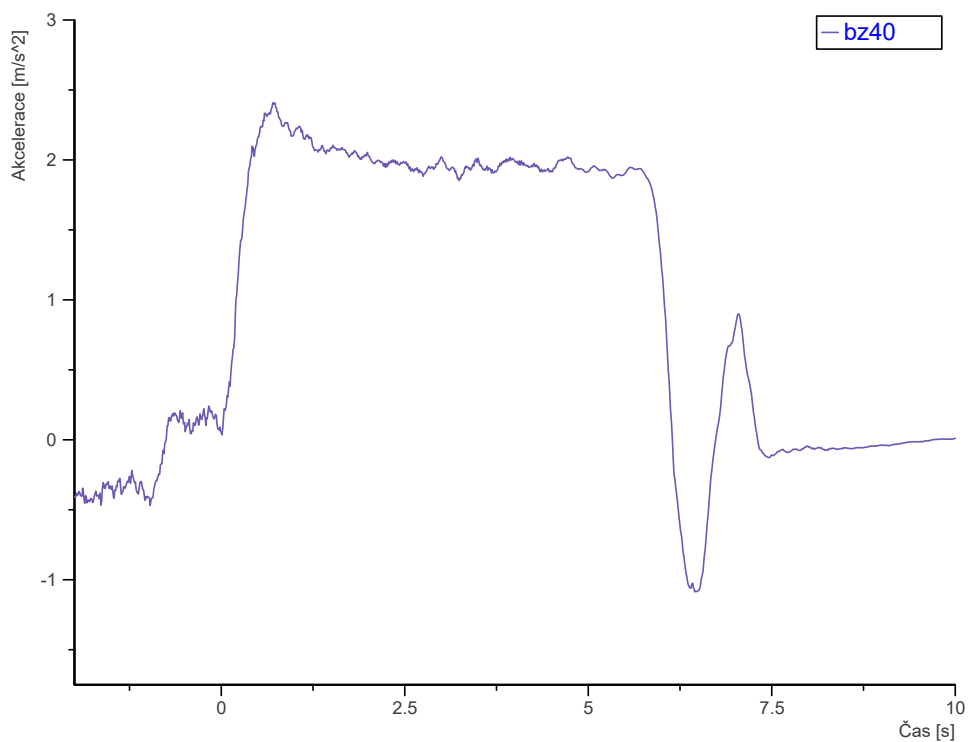


Příloha B

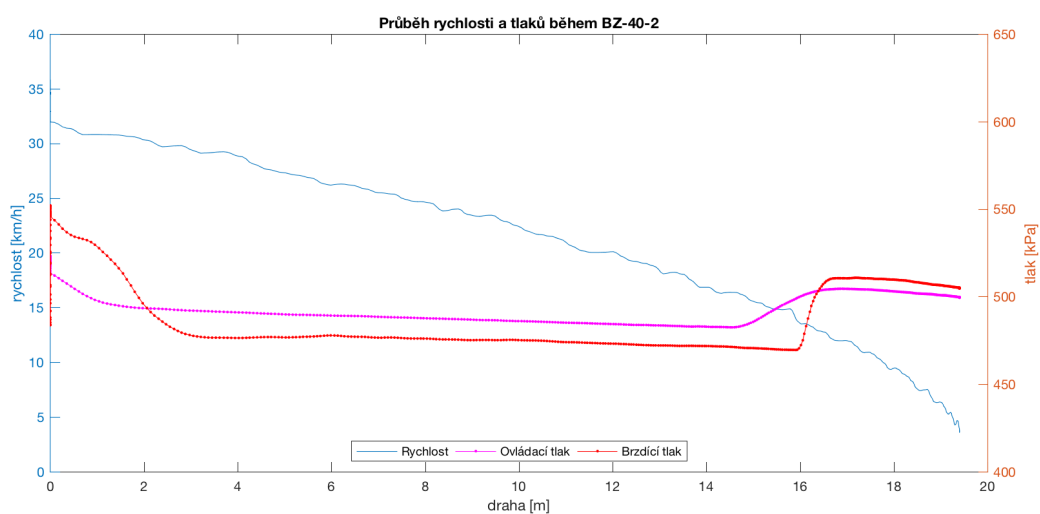
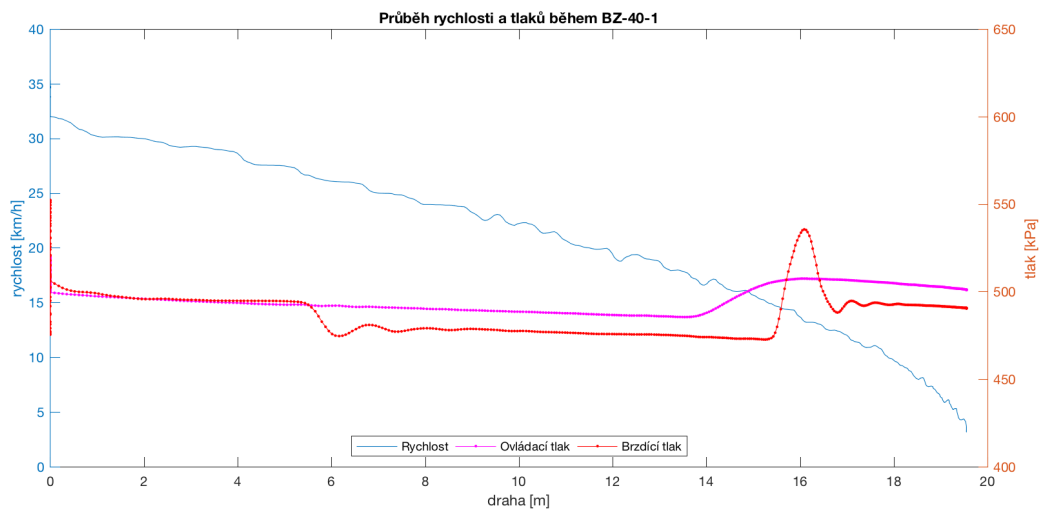


BZ40

	V_0 [km/h]	Ovl. tlak [kPa]	V_b [km/h]	V_e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
BZ40-1	40	500	32	3,7	490	19,54	0,2033	0,3471
BZ40-2	40	490	32	3,9	490	19,39	0,2046	0,3493



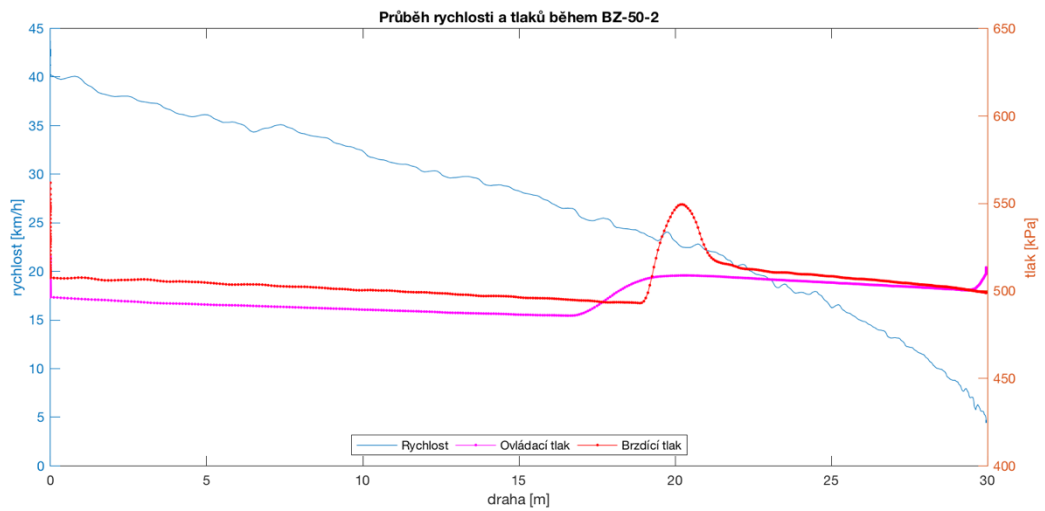
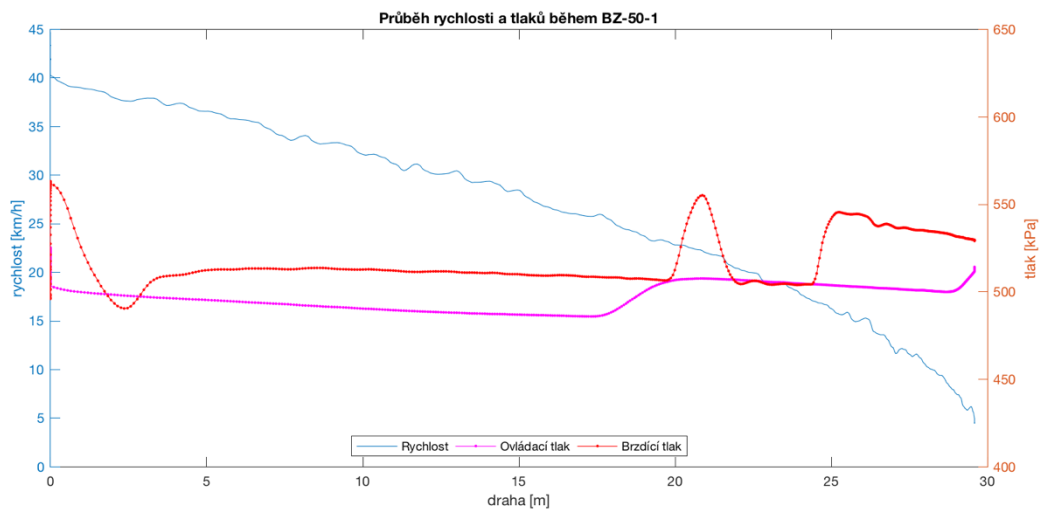
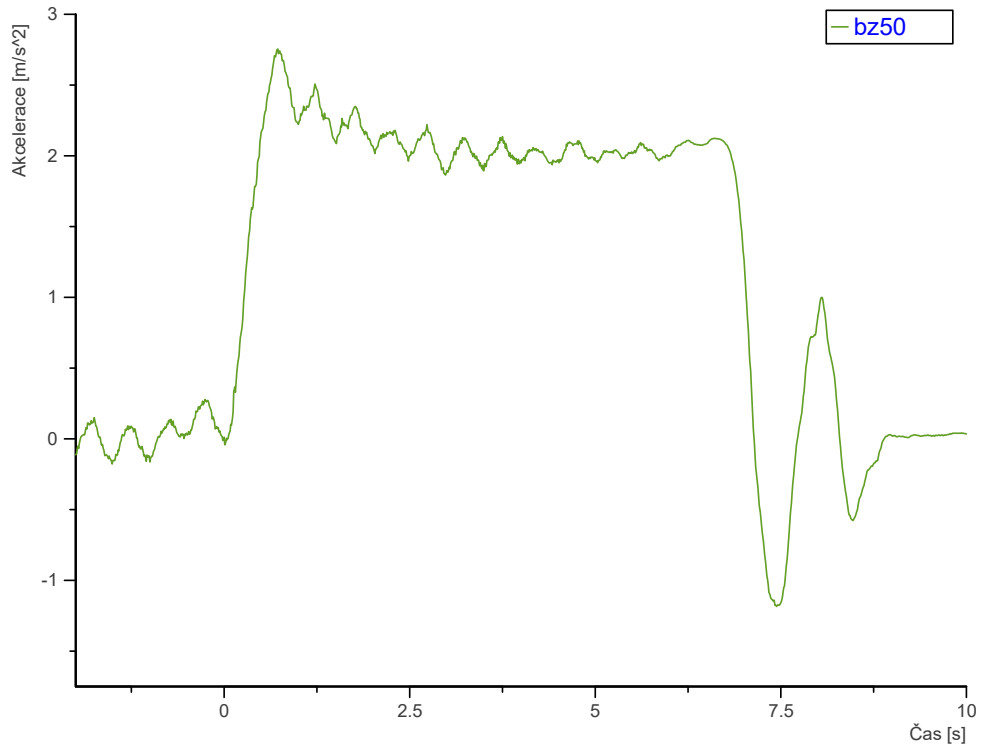
Příloha B



BZ50

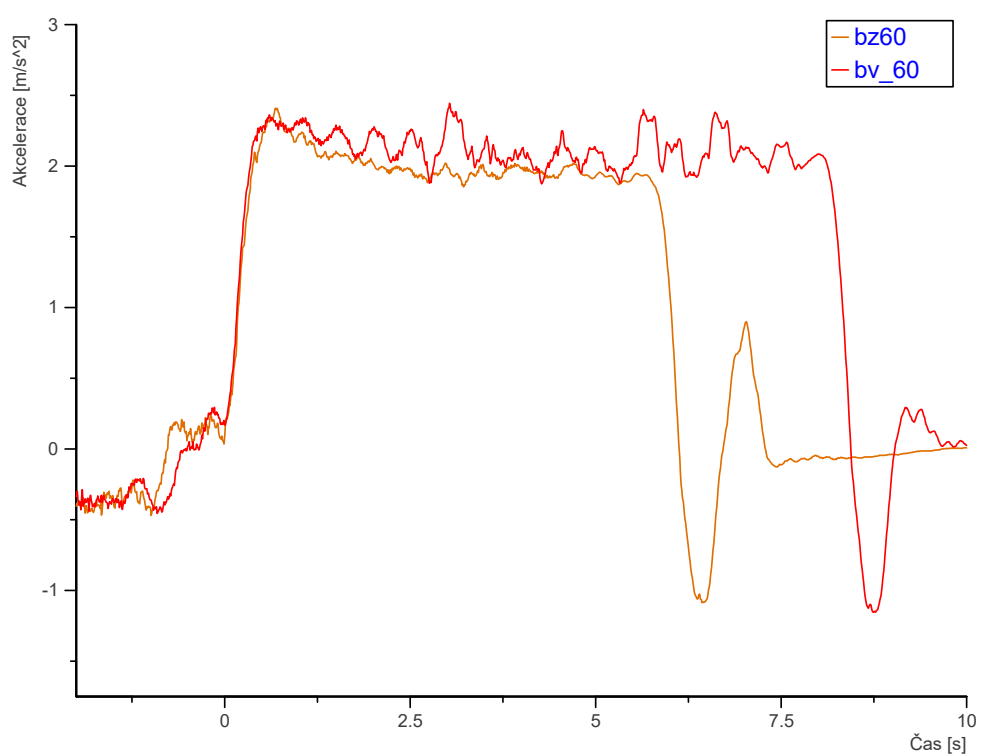
	V_0 [km/h]	Ovl. tlak [kPa]	V_b [km/h]	V_e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
BZ50-1	50	500	40,3	5	520	29,57	0,2127	0,3634
BZ50-2	50	500	40,2	4,8	505	29,94	0,2092	0,3574

Příloha B

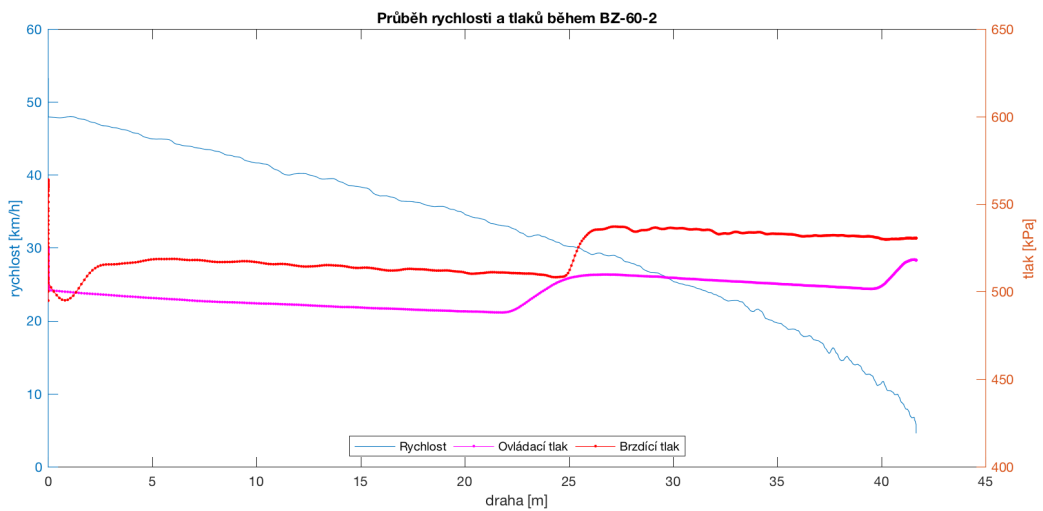
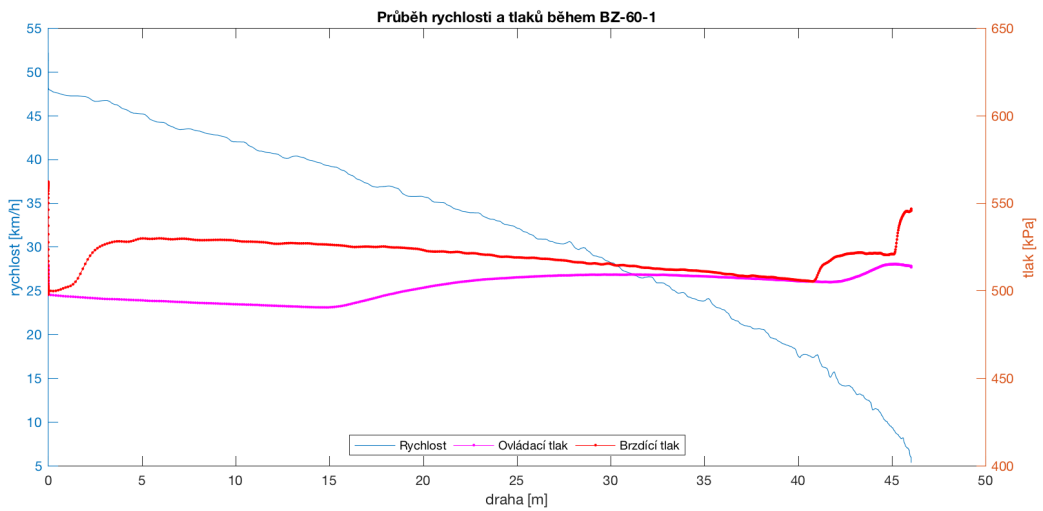
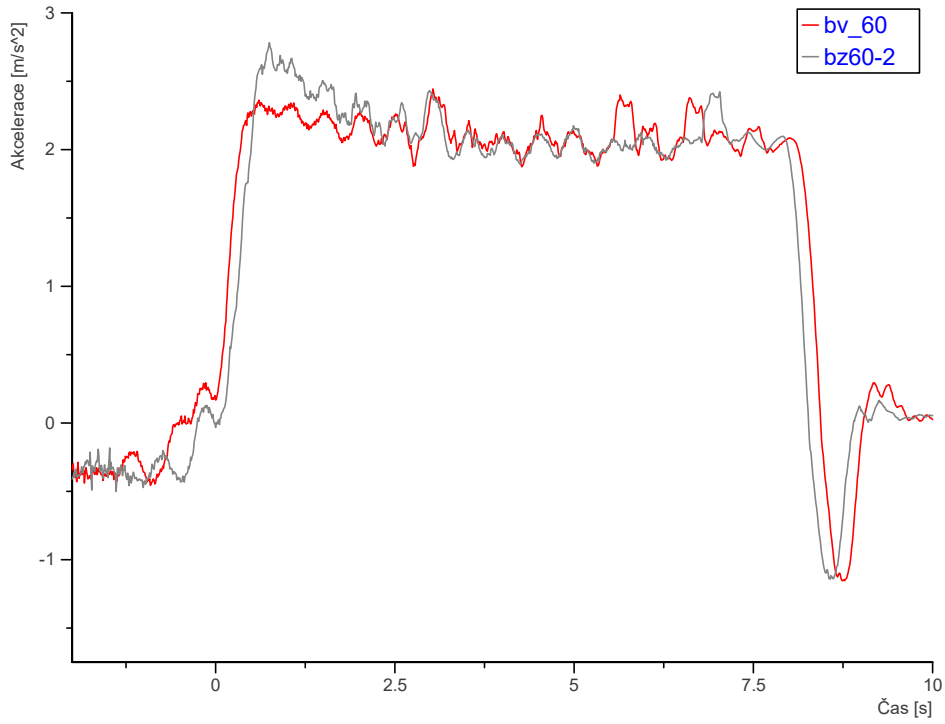


BZ60

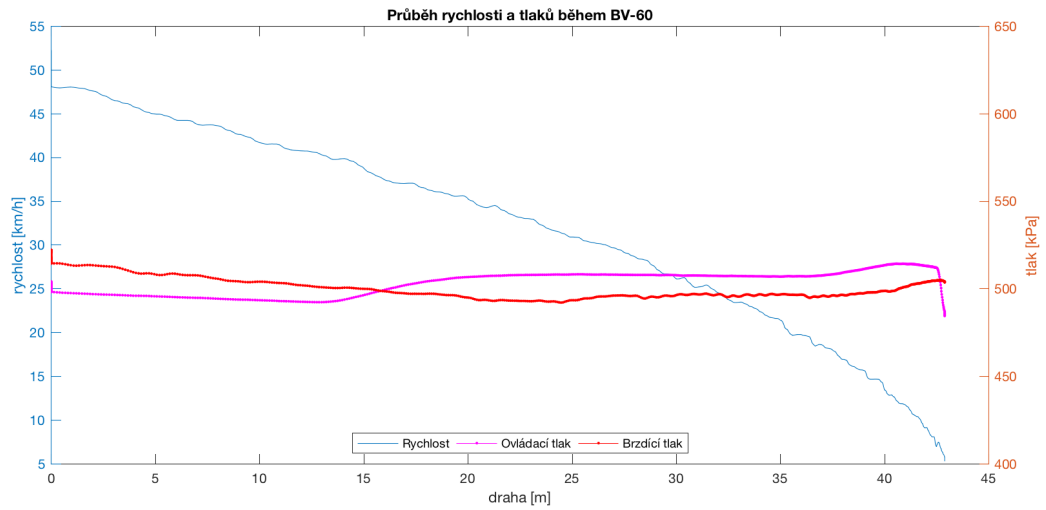
	V_0 [km/h]	Ovl. tlak [kPa]	V_b [km/h]	V_e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
BZ60-1	60	505	48	6	520	46	0,1939	0,3306
BZ60-2	60	500	48	5,8	525	41,64	0,2144	0,3664
BV60	60	500	48,1	5,8	510	42,87	0,2092	0,3572



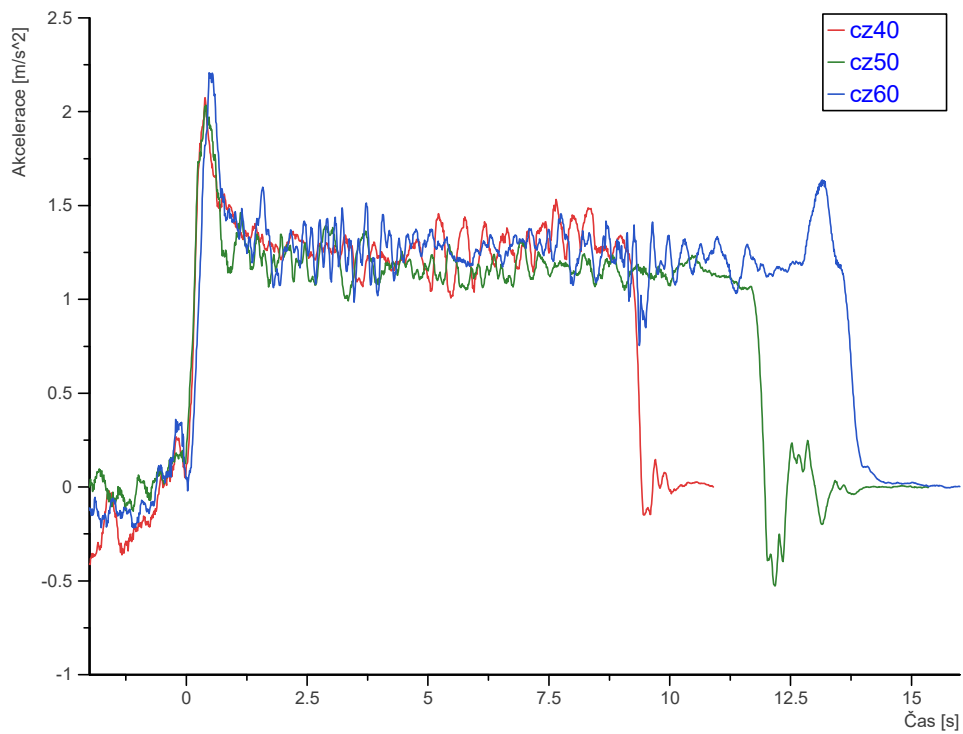
Příloha B



Příloha B

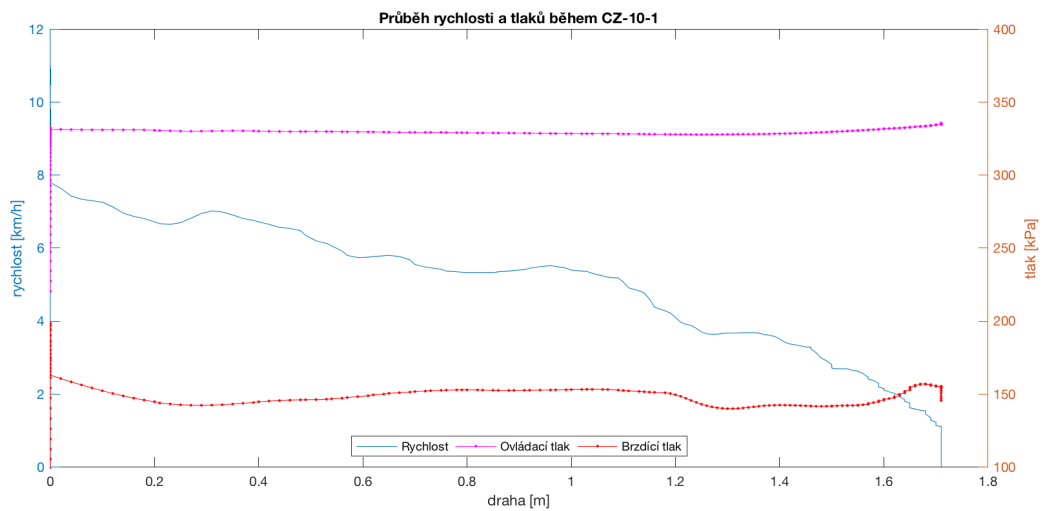


Měření CZ

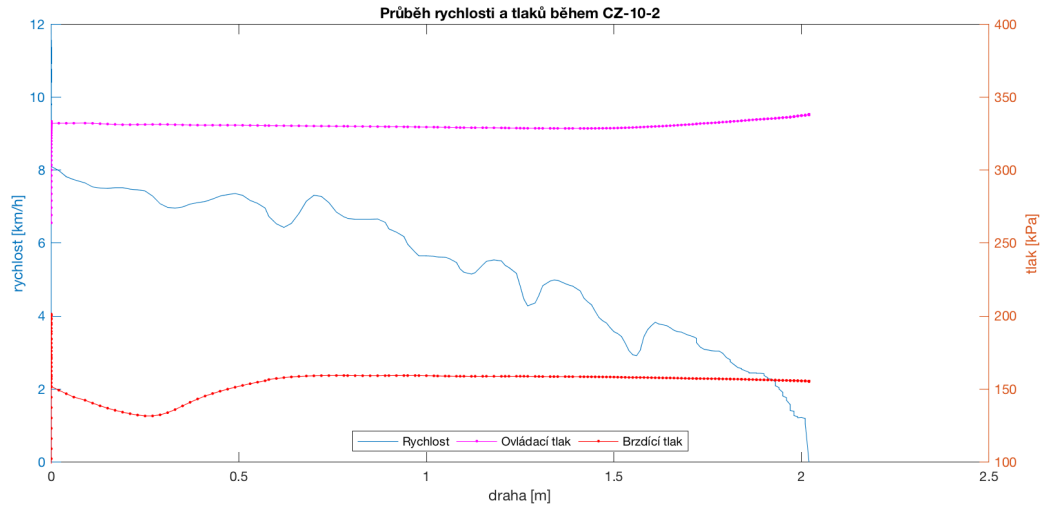


CZ10

	V_0 [km/h]	Ovl. tlak [kPa]	V_b [km/h]	V_e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
CZ10-1	10	330	7,8	0	150	1,71	0,1399	0,4241
CZ10-2	10	330	8,1	0	150	2,02	0,1277	0,3853

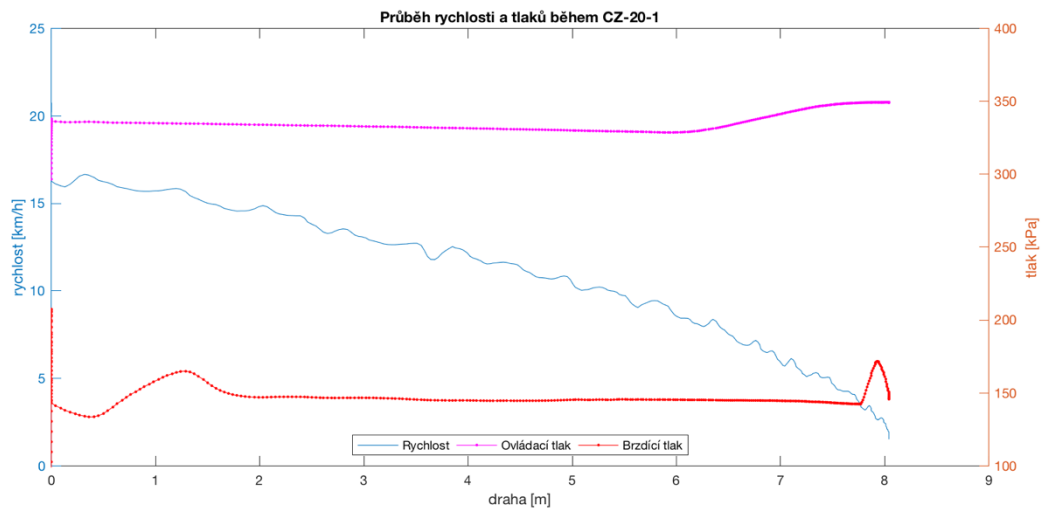


Příloha B

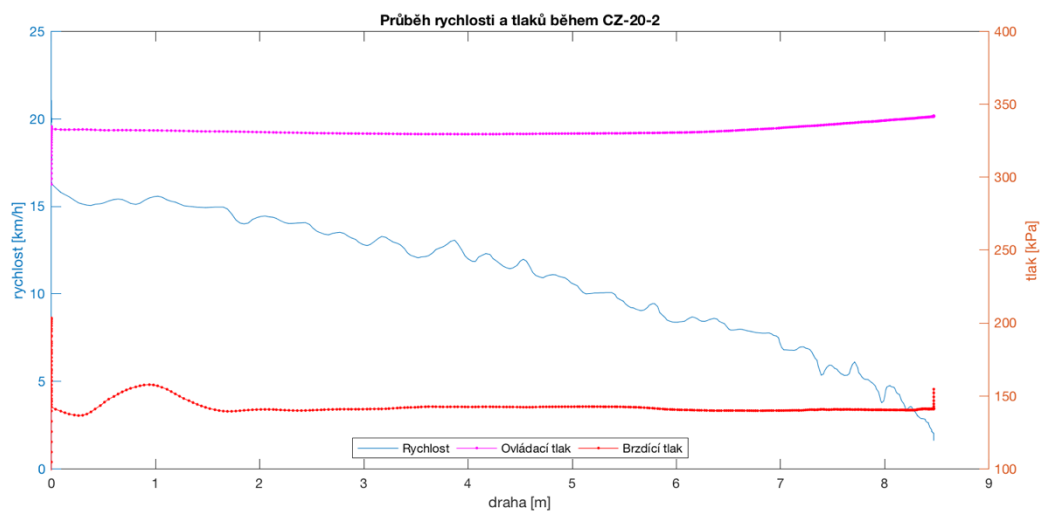


CZ20

	V_0 [km/h]	Ovl. tlak [kPa]	V_b [km/h]	V_e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
CZ20-1	20	340	16,3	1,9	150	8,04	0,1282	0,3867
CZ20-2	20	330	16,3	2	140	8,47	0,1215	0,3654

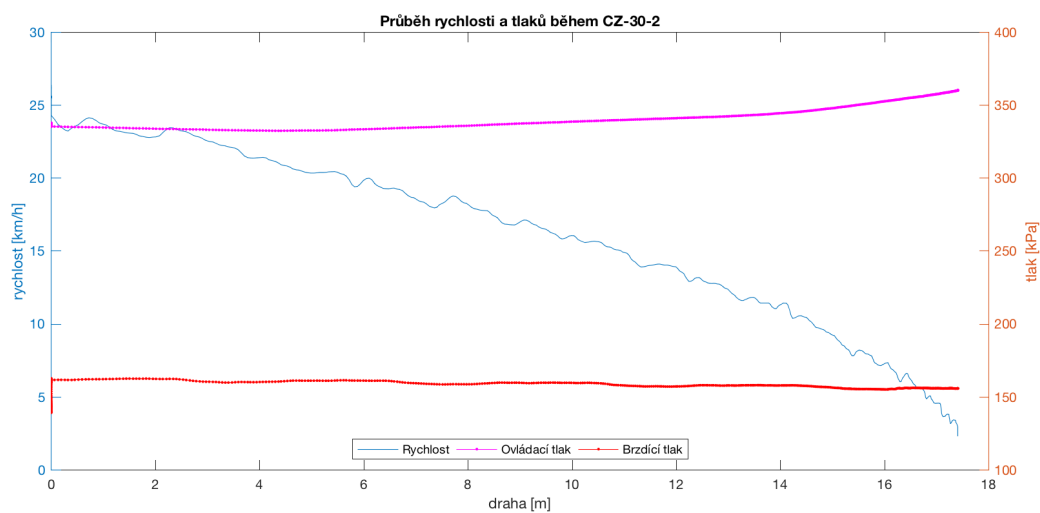


Příloha B



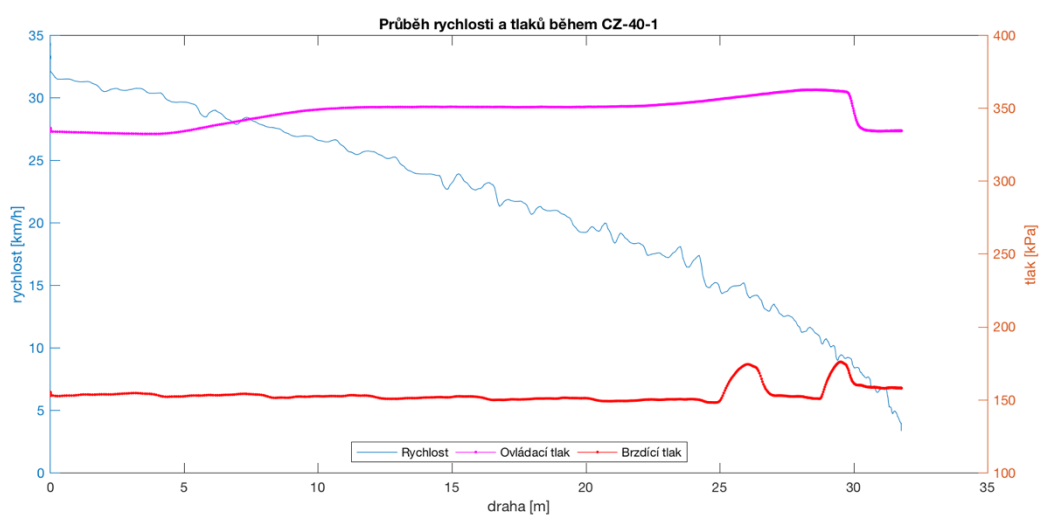
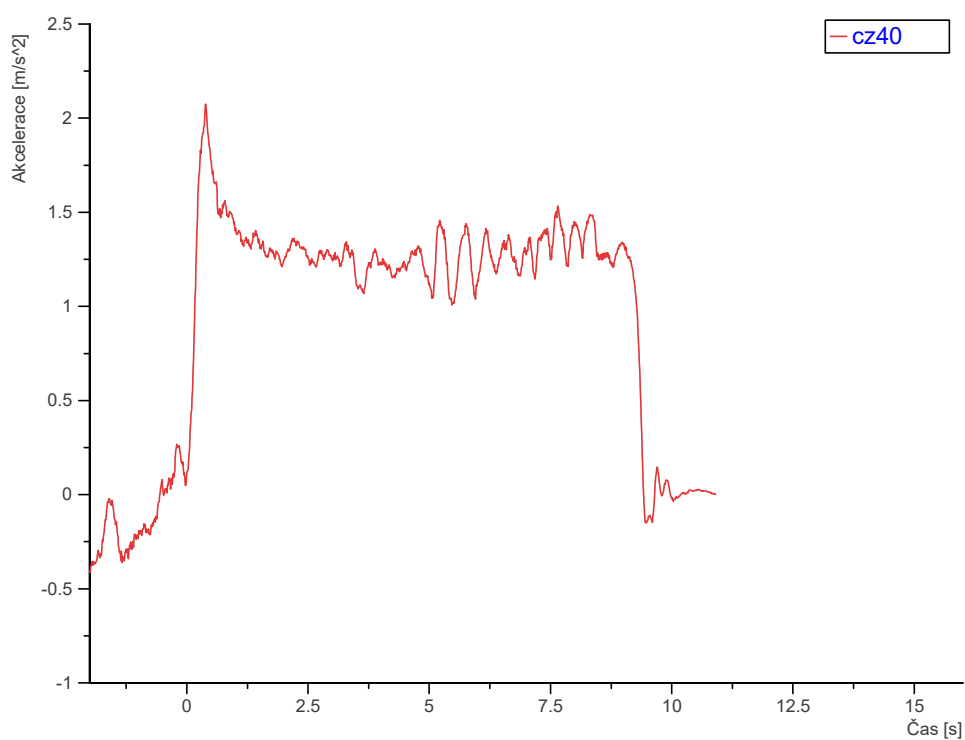
CZ30

	V_0 [km/h]	Ovl. tlak [kPa]	V_b [km/h]	V_e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
CZ30-1	30	350	24	3	150	16,86	0,1323	0,3997
CZ30-2	30	340	24,3	3	150	17,4	0,1314	0,397

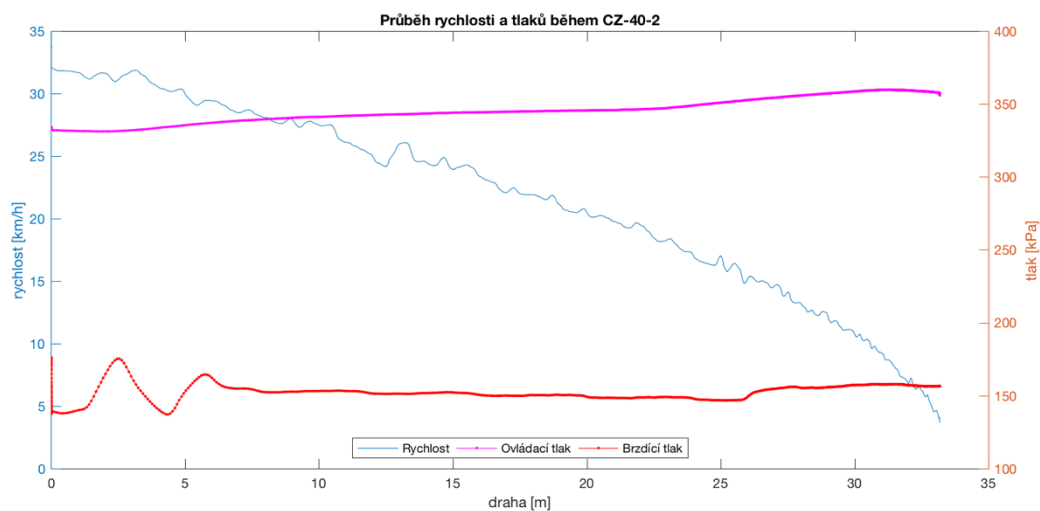


CZ40

	V ₀ [km/h]	Ovl. tlak [kPa]	V _b [km/h]	V _e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
CZ40-1	40	350	32,1	4	155	31,76	0,1256	0,3785
CZ40-2	40	350	32,1	3,9	150	33,16	0,1204	0,3619

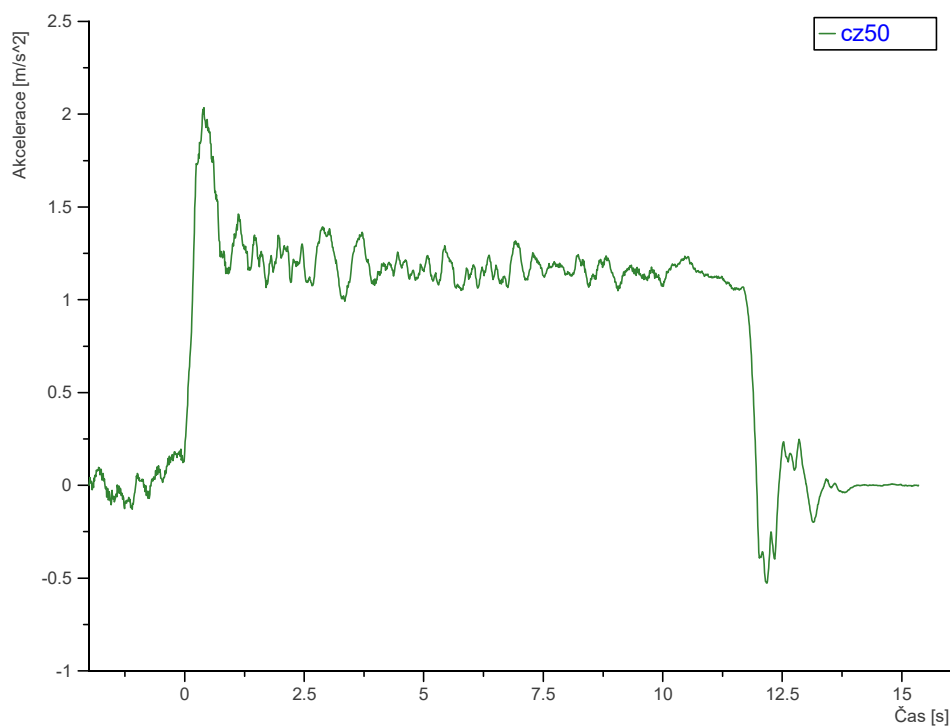


Příloha B

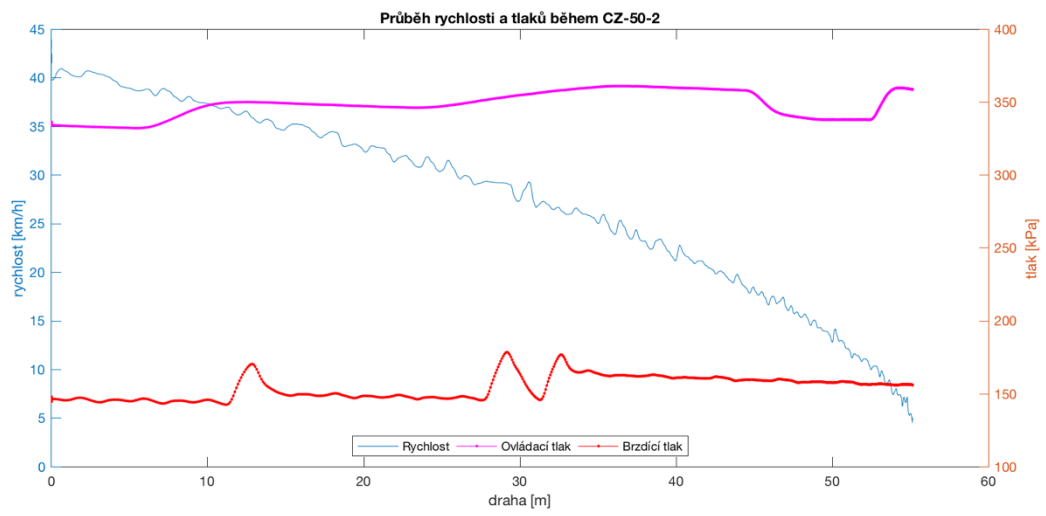
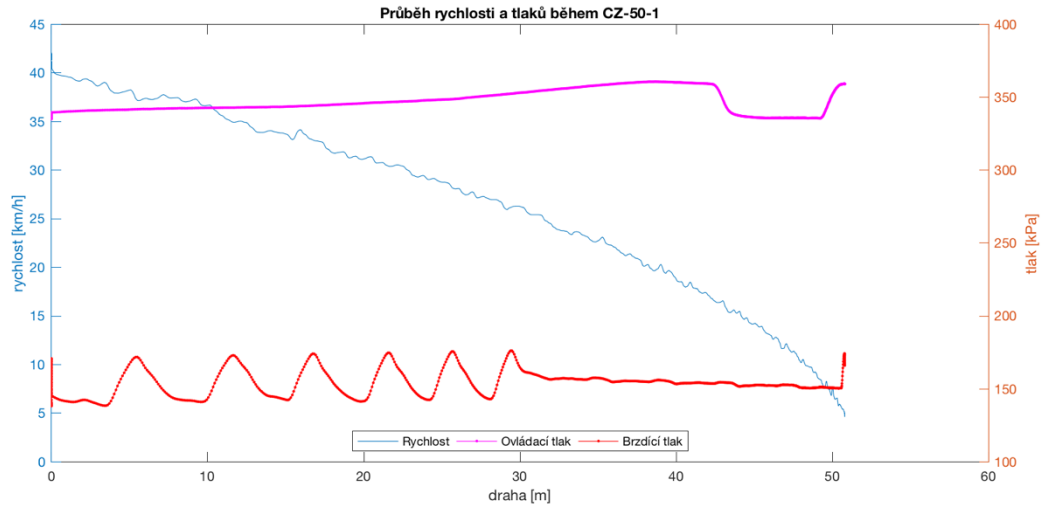


CZ50

	V_0 [km/h]	Ovl. tlak [kPa]	V_b [km/h]	V_e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
CZ50-1	50	350	40,5	4,9	155	50,77	0,1252	0,3772
CZ50-2	50	350	39,8	4,9	155	55,1	0,1113	0,333

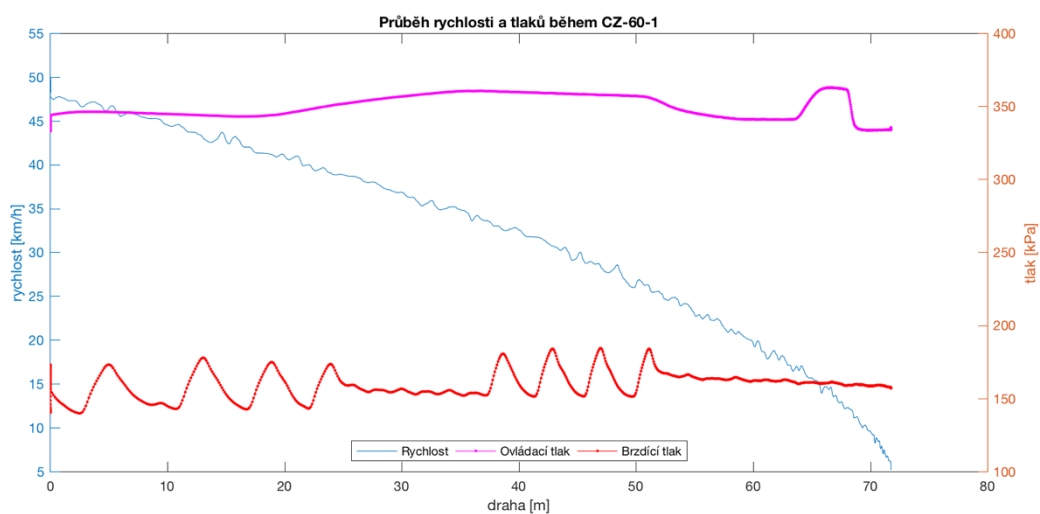
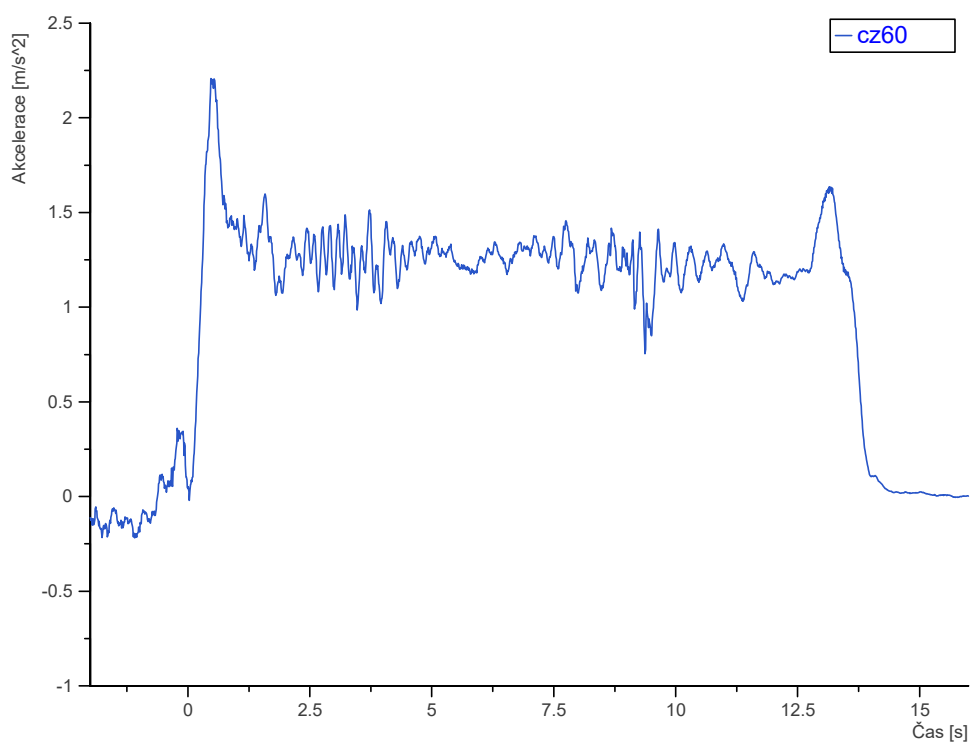


Příloha B

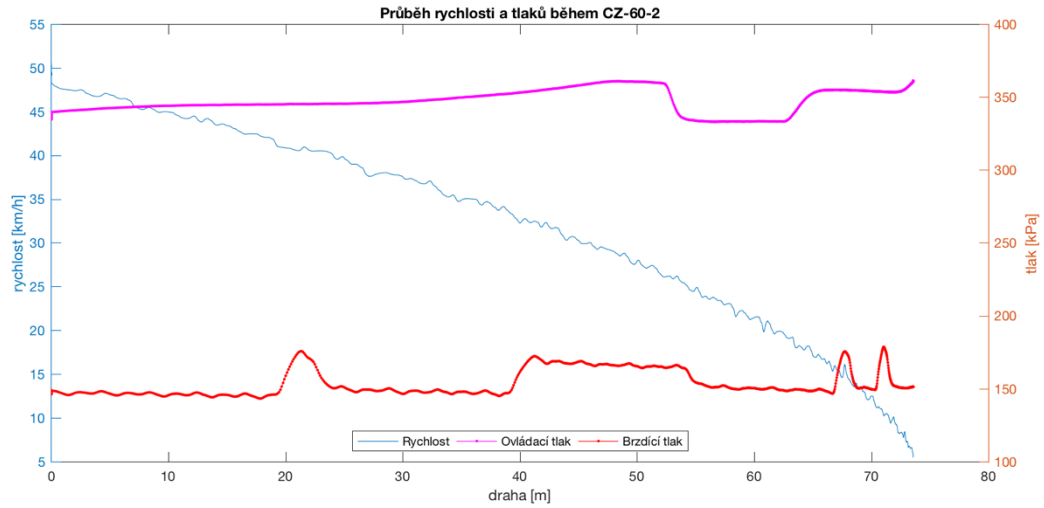


CZ60

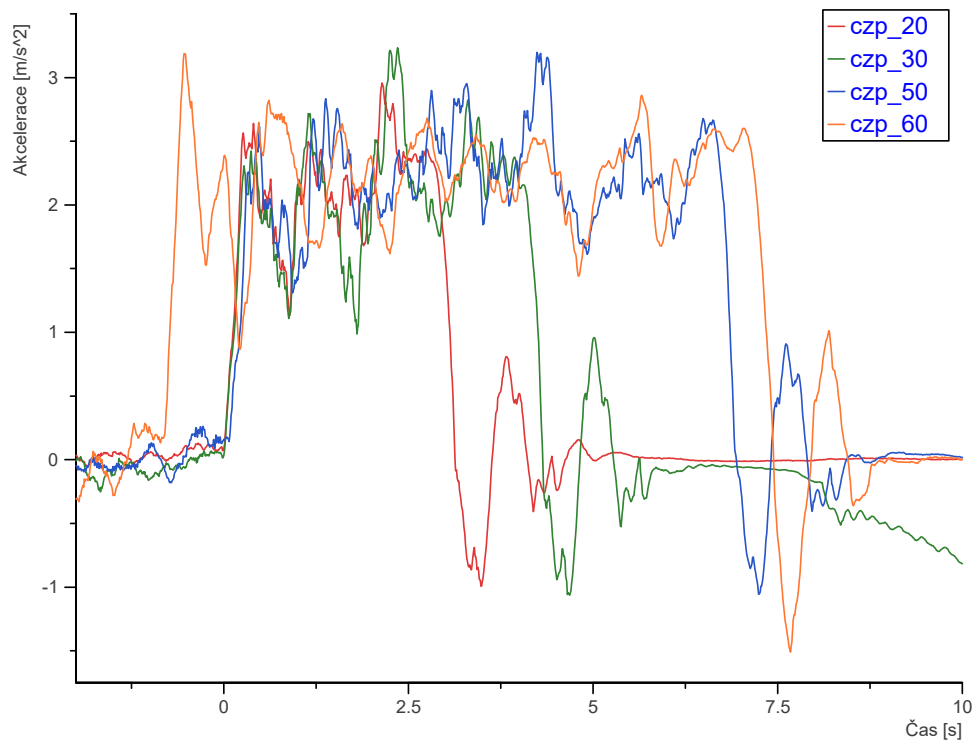
	V ₀ [km/h]	Ovl. tlak [kPa]	V _b [km/h]	V _e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
CZ60-1	60	350	47,8	6,2	160	71,72	0,1232	0,3707
CZ60-2	60	350	48,3	5,8	155	73,53	0,123	0,3701



Příloha B

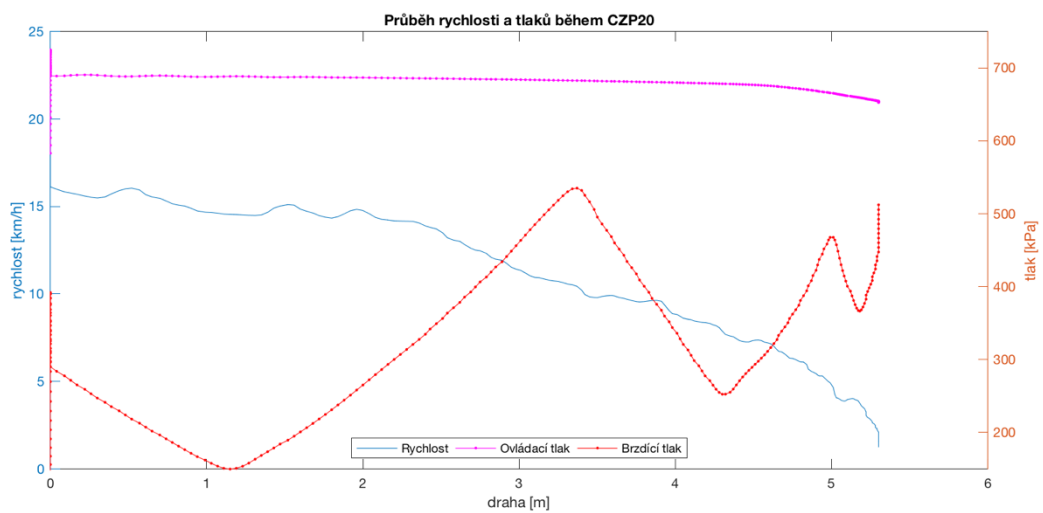
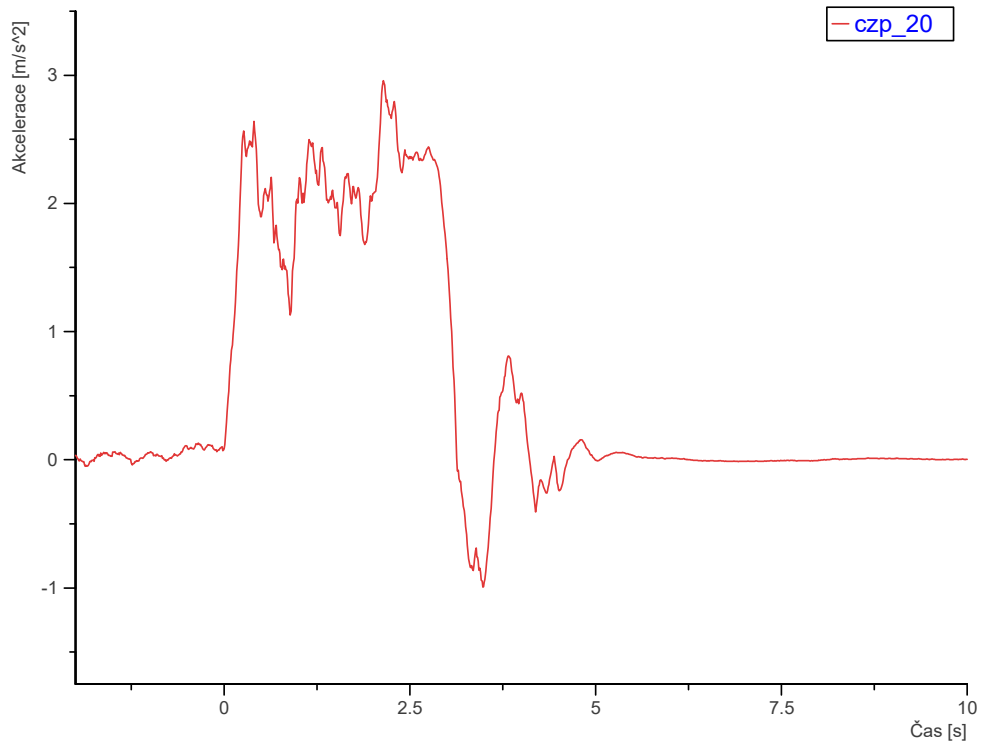


Měření CZP



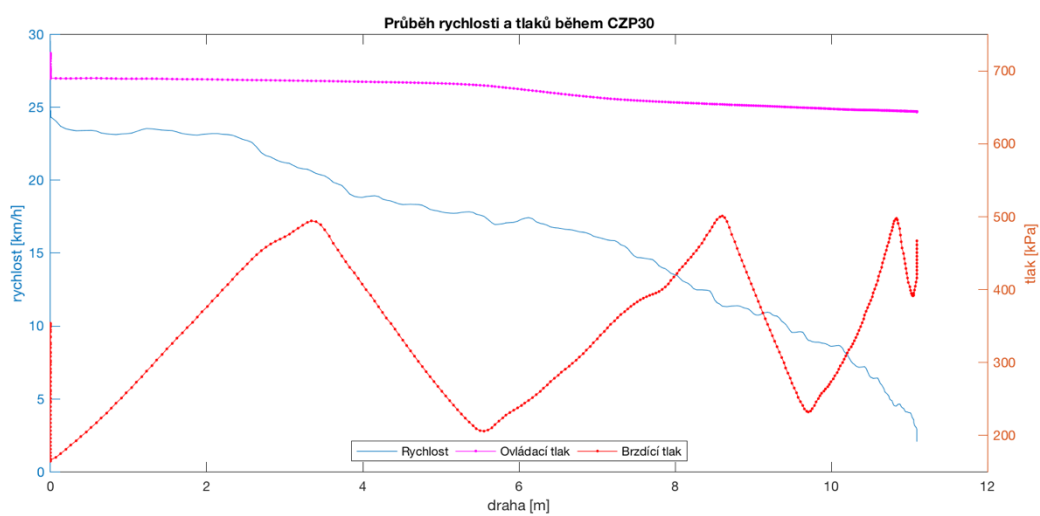
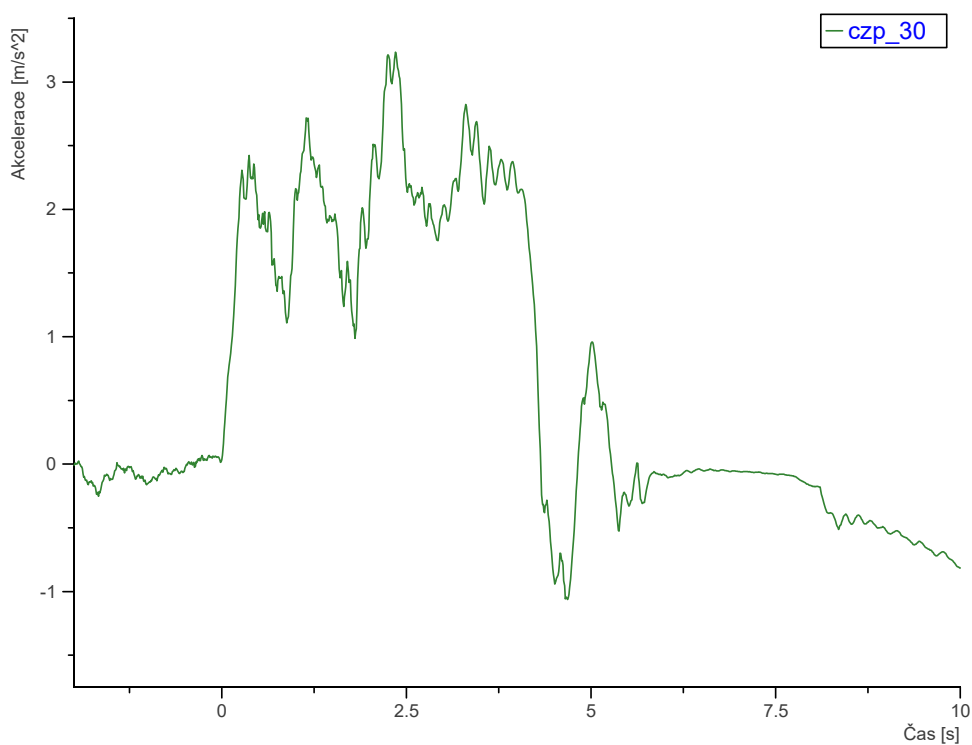
CZP20

	V ₀ [km/h]	Ovl. tlak [kPa]	V _b [km/h]	V _e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
CZP20	20	670	16,1	1,9	350	5,3	0,1897	0,5826

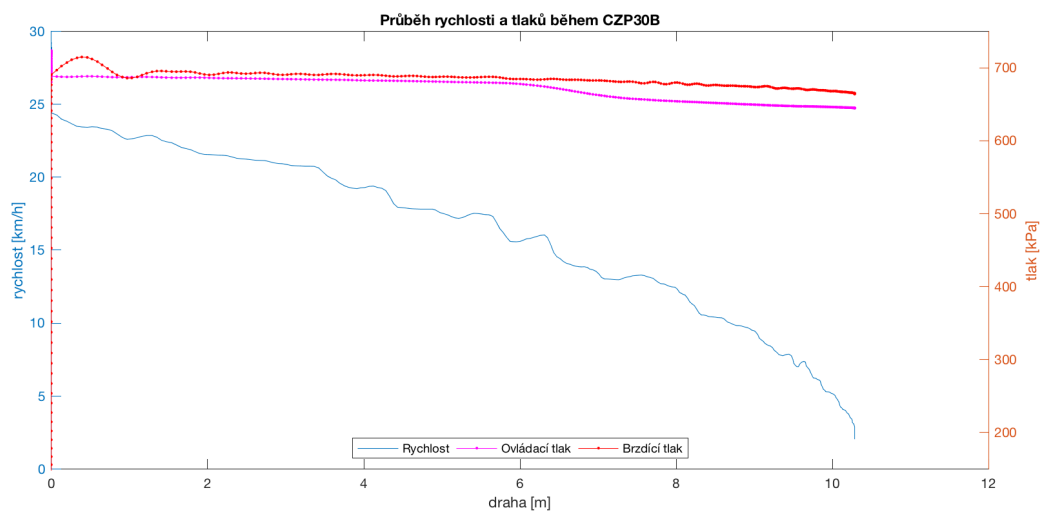


CZP30

	V ₀ [km/h]	Ovl. tlak [kPa]	V _b [km/h]	V _e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
CZP30	30	550	24,4	2,8	360	11,09	0,2083	0,6422
CZP30b	30	680	24,4	2,7	660	10,28	0,225	0,6952

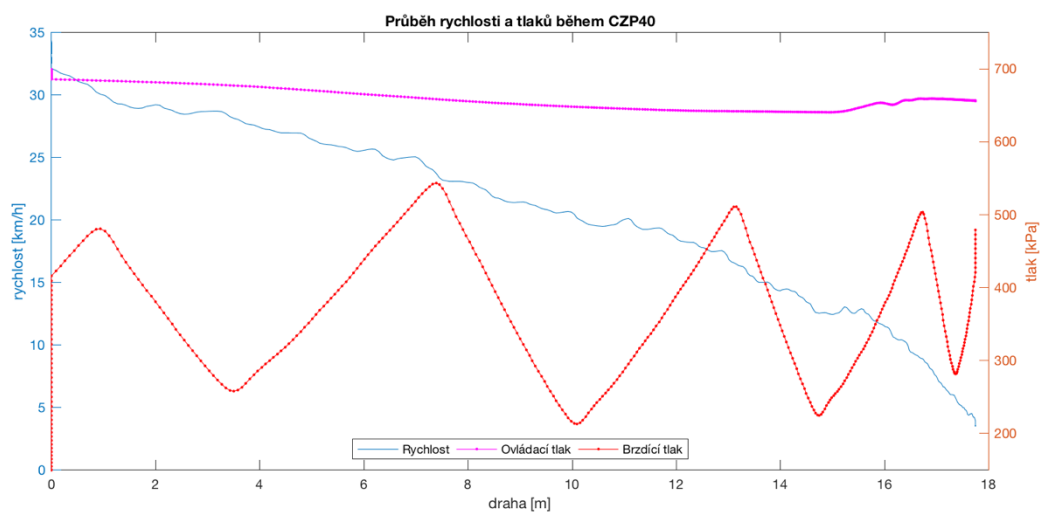


Příloha B

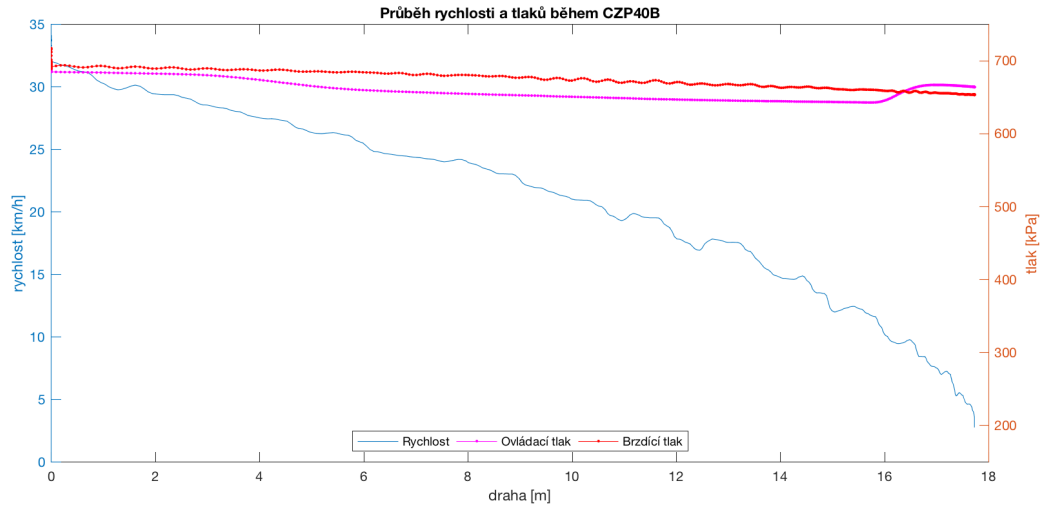


CZP40

	V_0 [km/h]	Ovl. tlak [kPa]	V_b [km/h]	V_e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
CZP40	40	655	32,1	3,9	370	17,74	0,2251	0,6954
CZP40b	40	660	32	3,6	670	17,72	0,2244	0,6933

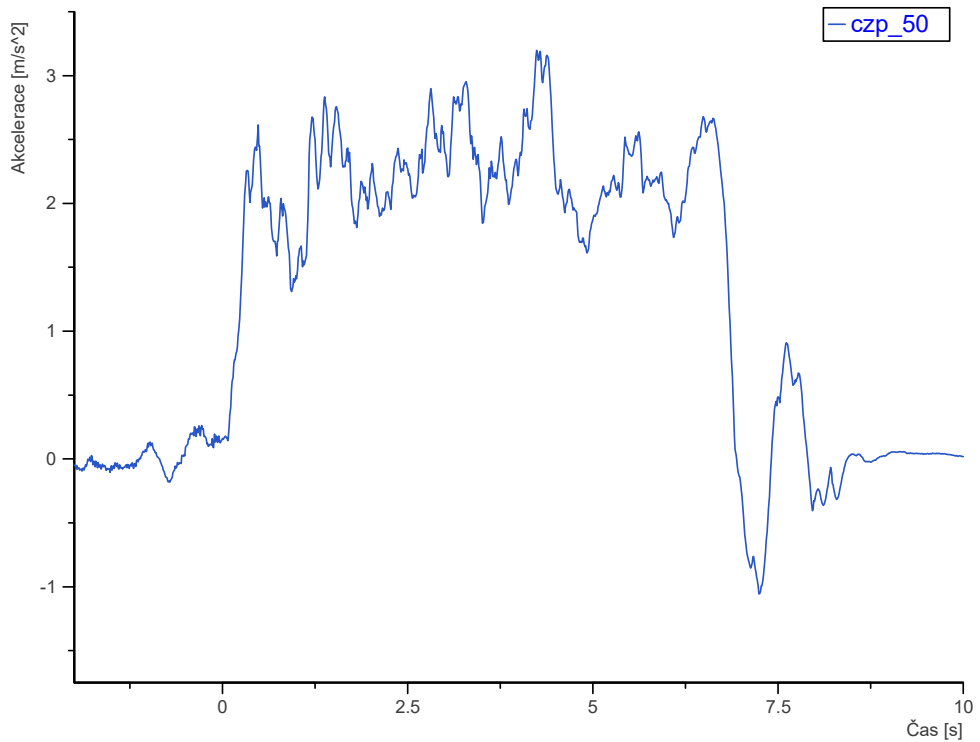


Příloha B

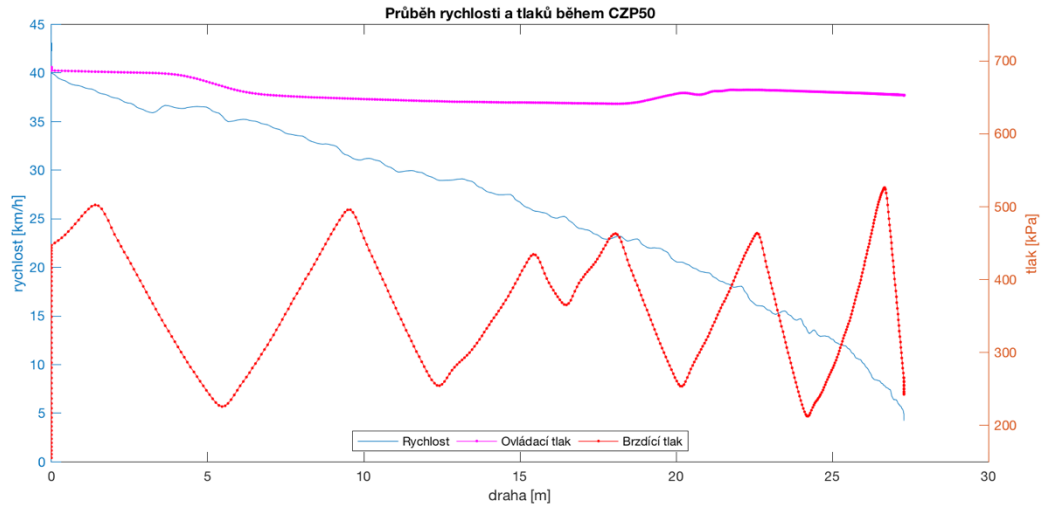


CZP50

	V_0 [km/h]	Ovl. tlak [kPa]	V_b [km/h]	V_e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
CZP50	50	655	40	4,9	365	27,28	0,2272	0,7023

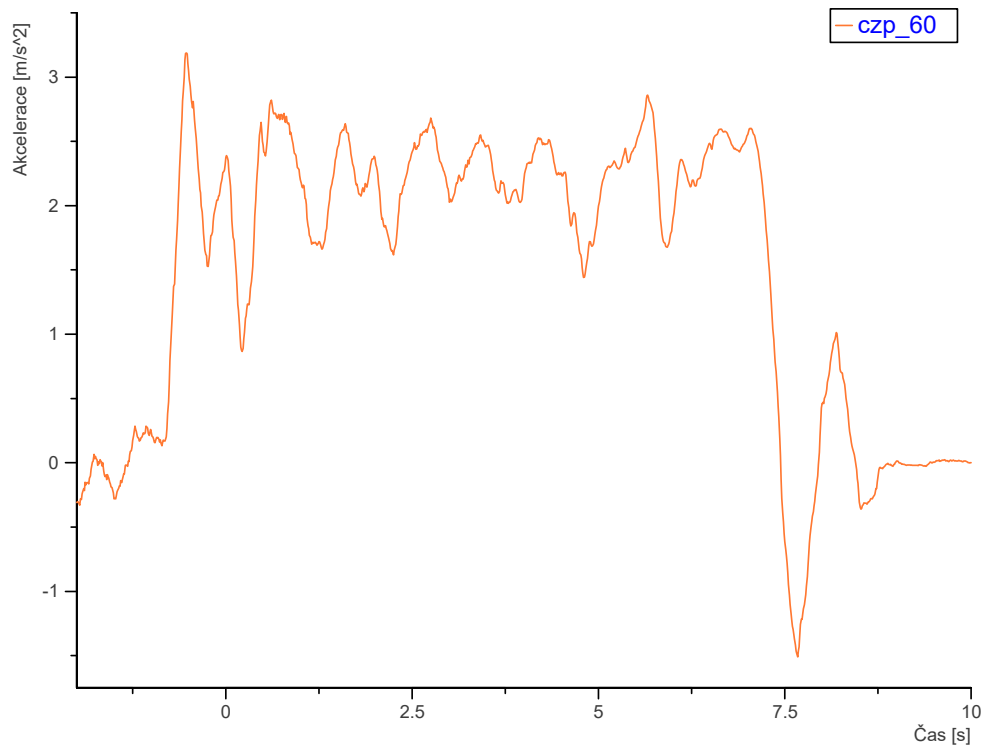


Příloha B



CZP60

	V_0 [km/h]	Ovl. tlak [kPa]	V_b [km/h]	V_e [km/h]	Prům. brz. tl. [kPa]	s [m]	d [g]	z [g]
CZP60	60	650	48,3	5,9	380	41,82	0,2161	0,6669



Příloha B

