Příloha 6 – Zdrojový kód 3 programu FDS ****** plochy na hranici výpočetní oblasti ********* &VENT XB = 0.0,0.1, 0.0,1.2, 0.0,0.0, SURF_ID = 'OPEN' / spodek Zdrojový kód programu FDS zadní bok &VENT XB = 0.0,0.0, 0.0,1.2, 0.0,0.016, SURF_ID = 'INERT' / přední bok &VENT XB = 0.1,0.1, 0.0,1.2, 0.0,0.016, SURF_ID = 'INERT' / &HEAD CHID = 'zkusebni_horak', TITLE = 'Reakce fasady MORE-CONNECT na ohen - pozarni zkouska stredniho rozmeru'/ &VENT XB = 0.0,0.04, 0.0,0.0, 0.0,0.016, SURF_ID = 'INERT' / čelo levé (levá část od trubky) &TIME T_END = 30 / ... délka simulace (sec) &VENT XB = 0.06,0.1, 0.0,0.0, 0.0,0.016, SURF_ID = 'INERT' / čelo levé (pravá část od trubky) &DUMP DT_RESTART = 5.0 / &VENT XB = 0.0,0.1, 1.2,1.2, 0.0,0.016, SURF_ID = 'INERT' / čelo pravé MISC RESTART = .TRUE. / &VENT XB = 0.0,0.1, 0.0,1.2, 0.016,0.016, SURF_ID = 'OPEN' / horní část ******* výpočetní oblast + síť výpočetních objemů (buněk) ********** ************ HOŘÁK ********* &MESH IJK = 10, 600, 8, XB = 0.0,0.1, 0.0,1.2, 0.0,0.016 / *** ocelová trubka *** výpočetní oblast - síť 2 mm (pro Y,Z) &OBST XB = 0.04,0.04, 0.0,1.2, 0.0,0.016, SURF_ID = 'TRUBKA' / zadní strana - síť 10 mm (pro X) 48 000 buněk přední strana &OBST XB = 0.06,0.06, 0.0,1.2, 0.0,0.016, SURF_ID = 'TRUBKA' / ****** materialy ******** &OBST XB = 0.04,0.06, 0.0,1.2, 0.016,0.016, SURF_ID = 'TRUBKA' / horní část *** ocelová trubka *** &OBST XB = 0.04,0.06, 0.0,1.2, 0.00,0.00, SURF_ID = 'TRUBKA' / spodní část &SURF ID ='TRUBKA' MATL ID ='OCEL' *** vyvrtané otvory (pomocí HOLE) *** COLOR ='GRAY' &HOLE XB = 0.039,0.061, 0.098,0.104, 0.006,0.012 / Pr1 (6x6mm) otvor THICKNESS = 0.002 /Pr2 (6x6mm) &HOLE XB = 0.039,0.061, 0.298,0.304, 0.006,0.012 / otvor &MATL ID ='OCEL' &HOLE XB = 0.039,0.061, 0.496,0.504, 0.004,0.012 Pr3 (8x8mm) otvor DENSITY = 7850.Pr4 (8x8mm) &HOLE XB = 0.039,0.061, 0.696,0.704, 0.004,0.012 otvor CONDUCTIVITY Pr5 (10x10mm) &HOLE XB = 0.039,0.061, 0.894,0.904, 0.004,0.014 / otvor SPECIFIC HEAT = 0.44 / &HOLE XB = 0.039,0.061, 1.094,1.104, 0.004,0.014 / Pr6 (10x10mm) otvor

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&SLCF PBY = 0.3, QUANTITY = 'VELOCITY', VECTOR = .TRUE./
******* DIFUSOR, VITR *********
                                                                                                  &SLCF PBY = 0.5, QUANTITY = 'VELOCITY', VECTOR = .TRUE./
&SURF ID='WIND', VOLUME_FLOW=-0.0011, /
                                                              ventilátor
                                                                                                  &SLCF PBY = 0.7, QUANTITY = 'VELOCITY', VECTOR = .TRUE./
&VENT XB = 0.04,0.06, 0.0,0.0, 0.0,0.016, SURF_ID = 'WIND', COLOR = 'BLACK', TRANSPARENCY =
                                                                                                  &SLCF PBY = 0.9, QUANTITY = 'VELOCITY', VECTOR = .TRUE./
0.3 /
                                                                                                  &SLCF PBY = 1.1, QUANTITY = 'VELOCITY', VECTOR = .TRUE./
                                                                                                  &SLCF PBZ = 0.008, QUANTITY = 'VELOCITY', VECTOR = .TRUE./
****** simulované veličiny ********
                                                                                                  &SLCF PBZ = 0.01, QUANTITY = 'VELOCITY', VECTOR = .TRUE./
*** rychlosti ***
&DEVC XYZ = 0.06,0.1,0.008, QUANTITY = 'VELOCITY', ID = 'VEL_01' /
                                                                                                  *** hodnoty na hranici výpočetní oblasti ***
&DEVC XYZ = 0.04,0.1,0.008, QUANTITY = 'VELOCITY', ID = 'VEL 02' /
                                                                                                  &BNDF QUANTITY = 'GAUGE HEAT FLUX' / ... BNDF = boundery file
&DEVC XYZ = 0.06,0.3,0.008, QUANTITY = 'VELOCITY', ID = 'VEL_03' /
                                                                                                  &BNDF QUANTITY = 'WALL TEMPERATURE' /
&DEVC XYZ = 0.04,0.3,0.008, QUANTITY = 'VELOCITY', ID = 'VEL_04' /
&DEVC XYZ = 0.06,0.5,0.008, QUANTITY = 'VELOCITY', ID = 'VEL_05' /
                                                                                                  ***
&DEVC XYZ = 0.04,0.5,0.008, QUANTITY = 'VELOCITY', ID = 'VEL_06' /
                                                                                                  &TAIL / ... konec simulacee
&DEVC XYZ = 0.06,0.7,0.008, QUANTITY = 'VELOCITY', ID = 'VEL_07' /
&DEVC XYZ = 0.04,0.7,0.008, QUANTITY = 'VELOCITY', ID = 'VEL_08' /
&DEVC XYZ = 0.06,0.9,0.008, QUANTITY = 'VELOCITY', ID = 'VEL_09' /
&DEVC XYZ = 0.04,0.9,0.008, QUANTITY = 'VELOCITY', ID = 'VEL_10' /
&DEVC XYZ = 0.06,1.1,0.008, QUANTITY = 'VELOCITY', ID = 'VEL_11' /
&DEVC XYZ = 0.04,1.1,0.008, QUANTITY = 'VELOCITY', ID = 'VEL_12' /
*** barevné iso-plochy (SLICEFile) ... teplotní pole ***
&SLCF PBX = 0.03, QUANTITY = 'VELOCITY', VECTOR = .TRUE./
&SLCF PBX = 0.07, QUANTITY = 'VELOCITY', VECTOR = .TRUE./
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&SLCF PBY = 0.1, QUANTITY = 'VELOCITY', VECTOR = .TRUE./