

Objednatel:

**Středočeský kraj**




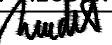
ZBOROVSKÁ 11, 150 21 – PRAHA 5

**Středočeský kraj**

**LABSKÁ CYKLOSTEZKA, ÚSEK KOSTELEČ N.L. – MĚLNÍK, úsek Kly – Mělník**

Souřadnicový systém: S–JTSK

Výškový systém: Bpv

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Objednatel:	Středočeský kraj	Obec:	Mělník	Kraj:	Středočeský
Akce:	LABSKÁ CYKLOSTEZKA, ÚSEK KOSTELEČ N.L. – MĚLNÍK, úsek Kly – Mělník			Datum	Stupeň
Část:	D.1 STAVEBNÍ ČÁST			01/2019	DSP/PDPS
Objekt:	S0102 – ASFALTOVÉ SOUVRSTVÍ V KM 17,01 – KÚ			Souprava	Č. přílohy
Příloha:	SOUŘADNICE HLAVNÍCH BODŮ				2.h

PONTEx spol. s r.o.

14714 Praha 4 - Braník

PROGRAMOVÝ SYSTÉM R O A D P A C - program RP12

## SMĚROVÝ VÝPOČET DO KRUŽNIC

Verze: 2017

Datum zadání: 27.1.2020

Datum výpočtu: 27. 1.2020 12:12: 9

datum a čas kompilace: 25.11.2017 20:27

Projekt: CYKLO\_L

Trasa: SO102.V12

Údaje o hlavních bodech směrového vedení trasy											
CB	IND	STA	YH	XH	sigma	R	YS	XS	T1	T2(VZP)	alfat
CV	TP	DIF	YP	XP	sigp	A	YT	XT			
1	OT	.000000	734188.101	1017087.640	270.43946	.000	.000	.000			
0	težna	7.017	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
2	TK	.007017	734181.827	1017084.498	270.43946	-50.000	734204.219	1017039.792			
1	kružnice	10.841	.000	.000	.00000	.000	734176.962	1017082.061	5.442	-.295	-13.80341
3	KT	.017858	734172.734	1017078.634	256.63605	.000	.000	.000			
0	težna	53.870	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
4	TK	.071727	734130.886	1017044.713	256.63605	30.000	734111.995	1017068.018			
2	kružnice	8.801	.000	.000	.00000	.000	734127.443	1017041.922	4.432	.326	18.67576
5	KT	.080528	734123.340	1017040.246	275.31181	.000	.000	.000			
0	težna	2.921	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
6	TK	.083449	734120.635	1017039.141	275.31181	-50.000	734139.543	1016992.854			
3	kružnice	25.157	.000	.000	.00000	.000	734108.739	1017034.281	12.851	-1.625	-32.03058
7	KT	.108606	734100.660	1017024.288	243.28123	.000	.000	.000			
0	težna	27.931	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
8	TK	.136537	734083.100	1017002.567	243.28123	-100.000	734160.866	1016939.698			
4	kružnice	12.488	.000	.000	.00000	.000	734079.169	1016997.705	6.252	-.195	-7.95003
9	KT	.149025	734075.875	1016992.391	235.33120	.000	.000	.000			
0	težna	41.551	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
10	TK	.190576	734053.981	1016957.077	235.33120	-100.000	734138.972	1016904.384			
5	kružnice	29.775	.000	.000	.00000	.000	734046.078	1016944.329	14.999	-1.119	-18.95552
11	KT	.220351	734042.262	1016929.824	216.37569	.000	.000	.000			
0	težna	7.557	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
12	TK	.227908	734040.340	1016922.516	216.37569	-100.000	734137.049	1016897.076			
6	kružnice	7.495	.000	.000	.00000	.000	734039.386	1016918.890	3.749	-.070	-4.77125
13	KT	.235403	734038.706	1016915.203	211.60444	.000	.000	.000			
0	težna	45.548	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
14	TK	.280950	734030.450	1016870.410	211.60444	100.000	733932.106	1016888.538			
7	kružnice	5.855	.000	.000	.00000	.000	734029.919	1016867.531	2.928	.043	3.72728
15	KT	.286805	734029.220	1016864.687	215.33172	.000	.000	.000			
0	težna	70.876	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
16	TK	.357681	734012.316	1016795.856	215.33172	50.000	733963.759	1016807.782			
8	kružnice	22.483	.000	.000	.00000	.000	734009.588	1016784.751	11.435	1.291	28.62679
17	KT	.380165	734002.305	1016775.936	243.95851	.000	.000	.000			
0	težna	5.113	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
18	TK	.385278	733999.049	1016771.994	243.95851	-50.000	734037.595	1016740.148			
9	kružnice	3.154	.000	.000	.00000	.000	733998.044	1016770.778	1.578	-.025	-4.01622
19	KT	.388432	733997.118	1016769.500	239.94229	.000	.000	.000			
0	težna	8.593	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
20	TK	.397025	733992.073	1016762.544	239.94229	-50.000	734032.551	1016733.191			
10	kružnice	19.813	.000	.000	.00000	.000	733986.180	1016754.417	10.038	-.998	-25.22724
21	KT	.416838	733983.880	1016744.646	214.71505	.000	.000	.000			
0	težna	63.843	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
22	TK	.480682	733969.254	1016682.500	214.71505	-100.000	734066.595	1016659.591			
11	kružnice	14.829	.000	.000	.00000	.000	733967.553	1016675.270	7.428	-.276	-9.44051
23	KT	.495511	733966.938	1016667.867	205.27454	.000	.000	.000			
0	težna	6.123	.000	.000	.00000	.000	.000	.000	.000	.000	.00000

24 TK 12 kružnice	.501633 21.772	733966.431 .000	1016661.766 .000	205.27454 .00000	100.000 .000	733866.774 733965.527	1016670.041 1016650.874	10.929	.595	13.86058
25 KT 0 teèna	.523405 19.772	733962.291 .000	1016640.434 .000	219.13512 .00000	.000 .000	.000 .000	.000 .000	.000	.000	.00000
26 TK 13 kružnice	.543178 5.997	733956.437 .000	1016621.549 .000	219.13512 .00000	-100.000 .000	734051.954 733955.549	1016591.942 1016618.684	2.999	-.045	-3.81759
27 KT 0 teèna	.549174 11.883	733954.834 .000	1016615.771 .000	215.31754 .00000	.000 .000	.000 .000	.000 .000	.000	.000	.00000
28 TK 14 kružnice	.561058 7.866	733952.003 .000	1016604.230 .000	215.31754 .00000	-100.000 .000	734049.122 733951.065	1016580.401 1016600.408	3.935	-.077	-5.00774
29 KT 0 teèna	.568924 28.635	733950.430 .000	1016596.525 .000	210.30980 .00000	.000 .000	.000 .000	.000 .000	.000	.000	.00000
30 TK 15 kružnice	.597559 6.602	733945.813 .000	1016568.264 .000	210.30980 .00000	100.000 .000	733847.122 733945.281	1016584.388 1016565.005	3.302	.055	4.20307
31 KT 0 teèna	.604162 14.735	733944.534 .000	1016561.788 .000	214.51287 .00000	.000 .000	.000 .000	.000 .000	.000	.000	.00000
32 TK 16 kružnice	.618896 10.182	733941.204 .000	1016547.434 .000	214.51287 .00000	100.000 .000	733843.792 733940.053	1016570.034 1016542.471	5.095	.130	6.48188
33 KT 0 teèna	.629078 6.919	733938.403 .000	1016537.650 .000	220.99476 .00000	.000 .000	.000 .000	.000 .000	.000	.000	.00000
34 TK 17 kružnice	.635997 38.306	733936.162 .000	1016531.104 .000	220.99476 .00000	-50.000 .000	733983.468 733929.637	1016514.912 1016512.042	20.148	-3.907	-48.77247
35 KT 0 teèna	.674303 41.997	733938.152 .000	1016493.781 .000	172.22228 .00000	.000 .000	.000 .000	.000 .000	.000	.000	.00000
36 TK 18 kružnice	.716300 1.257	733955.901 .000	1016455.719 .000	172.22228 .00000	100.000 .000	733865.270 733956.167	1016413.457 1016455.149	.628	.002	.79993
37 KT 0 teèna	.717557 59.540	733956.425 .000	1016454.577 .000	173.02221 .00000	.000 .000	.000 .000	.000 .000	.000	.000	.00000
38 TK 19 kružnice	.777096 15.951	733980.908 .000	1016400.304 .000	173.02221 .00000	100.000 .000	733889.753 733984.194	1016359.184 1016393.018	7.992	.319	10.15459
39 KT 0 teèna	.793047 5.001	733986.282 .000	1016385.303 .000	183.17680 .00000	.000 .000	.000 .000	.000 .000	.000	.000	.00000
40 TK 20 kružnice	.798048 17.042	733987.588 .000	1016380.476 .000	183.17680 .00000	-100.000 .000	734084.117 733989.819	1016406.595 1016372.230	8.542	-.364	-10.84950
41 KT 0 teèna	.815091 30.987	733993.416 .000	1016364.483 .000	172.32730 .00000	.000 .000	.000 .000	.000 .000	.000	.000	.00000
42 TK 21 kružnice	.846078 10.261	734006.466 .000	1016336.377 .000	172.32730 .00000	100.000 .000	733915.765 734008.628	1016294.265 1016331.719	5.135	.132	6.53261
43 KT 0 teèna	.856340 9.939	734010.302 .000	1016326.865 .000	178.85991 .00000	.000 .000	.000 .000	.000 .000	.000	.000	.00000
44 TK 22 kružnice	.866278 13.173	734013.542 .000	1016317.469 .000	178.85991 .00000	-100.000 .000	734108.079 734015.692	1016350.069 1016311.233	6.596	-.217	-8.38632
45 KT 0 teèna	.879451 3.578	734018.643 .000	1016305.334 .000	170.47359 .00000	.000 .000	.000 .000	.000 .000	.000	.000	.00000
46 TK 23 kružnice	.883030 32.284	734020.244 .000	1016302.134 .000	170.47359 .00000	100.000 .000	733930.808 734027.529	1016257.399 1016287.570	16.284	1.317	20.55266
47 KT 0 teèna	.915314 10.555	734029.816 .000	1016271.448 .000	191.02625 .00000	.000 .000	.000 .000	.000 .000	.000	.000	.00000
48 TK 24 kružnice	.925868 9.276	734031.299 .000	1016260.998 .000	191.02625 .00000	-100.000 .000	734130.307 734031.951	1016275.047 1016256.402	4.641	-.108	-5.90546
49 KT 0 teèna	.935145 19.044	734033.026 .000	1016251.887 .000	185.12079 .00000	.000 .000	.000 .000	.000 .000	.000	.000	.00000
50 TK 25 kružnice	.954189 22.300	734037.437 .000	1016233.361 .000	185.12079 .00000	-100.000 .000	734134.718 734040.030	1016256.521 1016222.469	11.197	-.625	-14.19693
51 KT 0 teèna	.976489 5.899	734044.968 .000	1016212.420 .000	170.92387 .00000	.000 .000	.000 .000	.000 .000	.000	.000	.00000
52 TK	.982388	734047.569	1016207.126	170.92387	50.000	734002.694	1016185.075			

26 kružnice	5.512	.000	.000	.00000	.000	734048.786	1016204.650	2.759	.076	7.01825
53 KT	.987900	734049.723	1016202.055	177.94211	.000	.000	.000			
0 teěna	2.562	.000	.000	.00000	.000	.000	.000	.000	.000	.00000
54 TO	.990462	734050.593	1016199.645	177.94211	.000	.000	.000			

ěís.vrch.	Údaje o vrcholech teěnověho polygonu trasy					
	YT	XT	T1	T2	alfat	
0	734188.101	1017087.640	.000	.000	.00000	
1	734176.962	1017082.061	5.442	5.442	-13.80341	
2	734127.443	1017041.922	4.432	4.432	18.67576	
3	734108.739	1017034.281	12.851	12.851	-32.03058	
4	734079.169	1016997.705	6.252	6.252	-7.95003	
5	734046.078	1016944.329	14.999	14.999	-18.95552	
6	734039.386	1016918.890	3.749	3.749	-4.77125	
7	734029.919	1016867.531	2.928	2.928	3.72728	
8	734009.588	1016784.751	11.435	11.435	28.62679	
9	733998.044	1016770.778	1.578	1.578	-4.01622	
10	733986.180	1016754.417	10.038	10.038	-25.22724	
11	733967.553	1016675.270	7.428	7.428	-9.44051	
12	733965.527	1016650.874	10.929	10.929	13.86058	
13	733955.549	1016618.684	2.999	2.999	-3.81759	
14	733951.065	1016600.408	3.935	3.935	-5.00774	
15	733945.281	1016565.005	3.302	3.302	4.20307	
16	733940.053	1016542.471	5.095	5.095	6.48188	
17	733929.637	1016512.042	20.148	20.148	-48.77247	
18	733956.167	1016455.149	.628	.628	.79993	
19	733984.194	1016393.018	7.992	7.992	10.15459	
20	733989.819	1016372.230	8.542	8.542	-10.84950	
21	734008.628	1016331.719	5.135	5.135	6.53261	
22	734015.692	1016311.233	6.596	6.596	-8.38632	
23	734027.529	1016287.570	16.284	16.284	20.55266	
24	734031.951	1016256.402	4.641	4.641	-5.90546	
25	734040.030	1016222.469	11.197	11.197	-14.19693	
26	734048.786	1016204.650	2.759	2.759	7.01825	
27	734050.593	1016199.645	.000	.000	.00000	

Údaje o podrobných bodech trasy						
WB	STA	Y	X	sig	R	
**	OT	.000000	734188.101	1017087.640	270.43946	.000
	TK	.007017	734181.827	1017084.498	270.43946	-50.000
	KT	.017858	734172.734	1017078.634	256.63605	.000
**		.020000	734171.070	1017077.285	256.63605	.000
**		.040000	734155.533	1017064.691	256.63605	.000
**		.060000	734139.996	1017052.097	256.63605	.000
	TK	.071727	734130.886	1017044.713	256.63605	.000
**		.080000	734123.827	1017040.449	274.19147	30.000
	KT	.080528	734123.340	1017040.246	275.31181	.000
	TK	.083449	734120.636	1017039.141	275.31181	.000
**		.100000	734106.618	1017030.483	254.23891	-50.000
	KT	.108606	734100.660	1017024.288	243.28141	-50.000
**		.120000	734093.497	1017015.427	243.28123	.000
	TK	.136537	734083.100	1017002.567	243.28123	.000
**		.140000	734080.970	1016999.837	241.07691	-100.000
	KT	.149025	734075.875	1016992.391	235.33142	-100.000
**		.160000	734070.092	1016983.064	235.33120	.000
**		.180000	734059.554	1016966.065	235.33120	.000
	TK	.190576	734053.981	1016957.077	235.33120	.000
**		.200000	734049.400	1016948.845	229.33175	-100.000
**		.220000	734042.352	1016930.164	216.59935	-100.000
	KT	.220351	734042.262	1016929.824	216.37590	-100.000
	TK	.227908	734040.340	1016922.516	216.37569	-100.000
	KT	.235403	734038.706	1016915.203	211.60444	.000
**		.240000	734037.873	1016910.682	211.60444	.000
**		.260000	734034.247	1016891.014	211.60444	.000
**		.280000	734030.622	1016871.345	211.60444	.000
	TK	.280950	734030.450	1016870.411	211.60444	.000
	KT	.286805	734029.220	1016864.687	215.33172	.000
**		.300000	734026.073	1016851.873	215.33172	.000
**		.320000	734021.303	1016832.450	215.33172	.000
**		.340000	734016.533	1016813.027	215.33172	.000
	TK	.357681	734012.316	1016795.856	215.33172	.000
**		.360000	734011.711	1016793.618	218.28409	50.000
**		.380000	734002.410	1016776.063	243.74888	50.000
	KT	.380165	734002.305	1016775.936	243.95851	.000
	TK	.385278	733999.049	1016771.994	243.95851	-50.000
	KT	.388432	733997.118	1016769.500	239.94229	.000
	TK	.397025	733992.073	1016762.544	239.94229	-50.000
**		.400000	733990.399	1016760.085	236.15419	-50.000
	KT	.416838	733983.880	1016744.646	214.71538	-50.000

**		.420000	733983.156	1016741.568	214.71505	.000
**		.440000	733978.574	1016722.100	214.71505	.000
**		.460000	733973.992	1016702.632	214.71505	.000
**		.480000	733969.411	1016683.164	214.71505	.000
	TK	.480682	733969.254	1016682.500	214.71505	-100.000
	KT	.495511	733966.938	1016667.867	205.27454	.000
**		.500000	733966.566	1016663.393	205.27454	.000
	TK	.501633	733966.431	1016661.766	205.27454	.000
**		.520000	733963.244	1016643.704	216.96713	100.000
	KT	.523405	733962.291	1016640.435	219.13482	100.000
**		.540000	733957.378	1016624.584	219.13512	.000
	TK	.543178	733956.437	1016621.549	219.13512	-100.000
	KT	.549174	733954.834	1016615.771	215.31780	-100.000
**		.560000	733952.255	1016605.257	215.31754	.000
	TK	.561058	733952.003	1016604.230	215.31754	-100.000
	KT	.568924	733950.430	1016596.525	210.30982	-100.000
**		.580000	733948.644	1016585.594	210.30980	.000
	TK	.597559	733945.813	1016568.264	210.30980	.000
**		.600000	733945.390	1016565.860	211.86349	100.000
	KT	.604162	733944.534	1016561.788	214.51287	.000
	TK	.618896	733941.205	1016547.435	214.51287	.000
**		.620000	733940.949	1016546.361	215.21541	100.000
	KT	.629078	733938.403	1016537.650	220.99465	100.000
	TK	.635997	733936.162	1016531.104	220.99475	-50.000
**		.640000	733935.019	1016527.269	215.89796	-50.000
**		.660000	733934.031	1016507.427	190.43317	-50.000
	KT	.674303	733938.152	1016493.781	172.22228	.000
**		.680000	733940.560	1016488.618	172.22228	.000
**		.700000	733949.013	1016470.492	172.22228	.000
	TK	.716300	733955.901	1016455.719	172.22228	.000
	KT	.717557	733956.425	1016454.577	173.02221	.000
**		.720000	733957.430	1016452.349	173.02221	.000
**		.740000	733965.654	1016434.119	173.02221	.000
**		.760000	733973.878	1016415.888	173.02221	.000
	TK	.777096	733980.907	1016400.304	173.02221	.000
**		.780000	733982.063	1016397.640	174.87080	100.000
	KT	.793047	733986.282	1016385.303	183.17677	100.000
	TK	.798048	733987.588	1016380.476	183.17680	.000
**		.800000	733988.116	1016378.597	181.93438	-100.000
	KT	.815091	733993.416	1016364.483	172.32730	.000
**		.820000	733995.483	1016360.030	172.32730	.000
**		.840000	734003.906	1016341.890	172.32730	.000
	TK	.846078	734006.466	1016336.377	172.32730	.000
	KT	.856340	734010.302	1016326.865	178.85991	.000
**		.860000	734011.495	1016323.404	178.85991	.000
	TK	.866278	734013.542	1016317.469	178.85991	.000
	KT	.879451	734018.643	1016305.334	170.47378	-100.000
**		.880000	734018.889	1016304.843	170.47359	.000
	TK	.883030	734020.244	1016302.134	170.47359	100.000
**		.900000	734026.515	1016286.386	181.27722	100.000
	KT	.915314	734029.816	1016271.448	191.02625	.000
**		.920000	734030.475	1016266.808	191.02625	.000
	TK	.925868	734031.299	1016260.998	191.02625	.000
	KT	.935145	734033.026	1016251.887	185.12079	.000
**		.940000	734034.151	1016247.164	185.12079	.000
	TK	.954189	734037.437	1016233.361	185.12079	-100.000
**		.960000	734038.946	1016227.750	181.42116	-100.000
	KT	.976489	734044.968	1016212.420	170.92394	-100.000
**		.980000	734046.516	1016209.269	170.92386	.000
	TK	.982388	734047.569	1016207.126	170.92386	50.000
	KT	.987900	734049.723	1016202.055	177.94211	.000
**	TO	.990462	734050.593	1016199.645	177.94211	.000

\*\*\* VÝPOČET UKONČEN BEZ CHYB \*\*\*

PONTEX spol. s r.o.

14714 Praha 4 - Braník

PROGRAMOVÝ SYSTÉM R O A D P A C - program RP31

## NIVELETA ZADANÁ TEËNAMI

Verze: 2017

Datum zadání: 27.1.2020

Datum výpoëtu: 27. 1.2020 12:13:58

datum a čas kompilace: 02.03.2017 22:08

Projekt: CYKLO\_L

Trasa: SO102.V31

## P R O T O K O L O N I V E L E T Ě

číslo vrch. 1	staničení vrcholu .000000	výška vrcholu 158.899	typ obl. 0	poloměr m .000	teena m .000	vzepětí m .000	spád % -1.405	délka m 5.125	mezipřímá m 1.319
2	.005125	158.827	2	400.000	3.806	.018	.498	30.510	9.279
3	.035635	158.979	2	3500.000	17.425	.043	-.498	42.814	17.907
4	.078449	158.766	2	1000.000	7.483	.028	.999	29.229	14.751
5	.107678	159.058	2	1000.000	6.996	.024	-.400	107.209	88.213
6	.214887	158.629	2	3000.000	12.001	.024	.400	75.272	35.247
7	.290159	158.930	2	8000.000	28.024	.049	-.301	58.193	9.525
8	.348352	158.755	2	2500.000	20.643	.085	1.351	76.847	23.803
9	.425199	159.793	2	3500.000	32.400	.150	-.501	68.702	26.687
10	.493901	159.449	2	700.000	9.614	.066	-3.248	29.313	4.708
11	.523214	158.497	2	800.000	14.990	.140	.500	66.824	51.834
12	.590038	158.831	0	.000	.000	.000	-.285	43.897	43.897
13	.633935	158.706	0	.000	.000	.000	.347	21.308	2.161
14	.655243	158.780	2	5500.000	19.147	.033	-.349	84.250	19.135
15	.739493	158.486	2	8000.000	45.968	.132	.800	84.224	23.229
16	.823717	159.160	2	2500.000	15.027	.045	-.402	52.995	26.785
17	.876712	158.947	2	700.000	11.183	.089	-3.597	36.640	9.073
18	.913352	157.629	2	800.000	16.384	.168	.499	58.942	36.323
19	.972294	157.923	2	623.000	6.235	.031	-1.503	18.167	11.932
20	.990461	157.650	0	.000	.000	.000			

\* Vytvořen výstupní soubor Niveleta s názvem SO102.SNI

\* Akce:

\* Trasa:

\* Datum vzniku 27. 1.2020 programem RP31

\* Datum posl. zápisu 27. 1.2020 programem RP31

\* Soubor .SNI nového typu

## V Ý P O Ě E T V Ý Š E K V P O D R O B N Ý C H B O D E C H

Staničení	označení	výška	spád
.000000	**	V	158.899
.001319		ZZ	158.880
.005125		V	158.845
.006938		VZ	158.841
.008931		KZ	158.846
.018210		ZZ	158.892
.020000	**		158.901
.035635		V	158.936
.035647		VZ	158.936
.040000	**		158.933
.053060		KZ	158.892
.060000	**		158.858
.070966		ZZ	158.803
.075941		VZ	158.791
.078449		V	158.794

.080000	**		158.799	.406
.085932		KZ	158.841	.999
.100000	**		158.981	.999
.100682		ZZ	158.988	.999
.107678		V	159.034	.299
.110672		VZ	159.038	.000
.114674		KZ	159.030	-.400
.120000	**		159.009	-.400
.140000	**		158.929	-.400
.160000	**		158.849	-.400
.180000	**		158.769	-.400
.200000	**		158.689	-.400
.202886		ZZ	158.677	-.400
.214887		V	158.653	.000
.214891		VZ	158.653	.000
.220000	**		158.657	.170
.226888		KZ	158.677	.400
.240000	**		158.729	.400
.260000	**		158.809	.400
.262135		ZZ	158.818	.400
.280000	**		158.869	.177
.290159		V	158.881	.050
.294125		VZ	158.882	.000
.300000	**		158.880	-.073
.318183		KZ	158.846	-.301
.320000	**		158.840	-.301
.327709		ZZ	158.817	-.301
.335227		VZ	158.806	.000
.340000	**		158.810	.191
.348352		V	158.840	.525
.360000	**		158.929	.991
.368995		KZ	159.034	1.351
.380000	**		159.182	1.351
.392799		ZZ	159.355	1.351
.400000	**		159.445	1.145
.420000	**		159.617	.574
.425199		V	159.643	.425
.440000	**		159.675	.002
.440074		VZ	159.675	.000
.457599		KZ	159.631	-.501
.460000	**		159.619	-.501
.480000	**		159.519	-.501
.484287		ZZ	159.497	-.501
.493901		V	159.383	-1.874
.500000	**		159.242	-2.745
.503515		KZ	159.137	-3.248
.508224		ZZ	158.984	-3.248
.520000	**		158.688	-1.776
.523214		V	158.637	-1.374
.534206		VZ	158.562	.000
.538204		KZ	158.572	.500
.540000	**		158.581	.500
.560000	**		158.681	.500
.580000	**		158.781	.500
.590037		V	158.831	.500
.590038		V	158.831	-.285
.600000	**		158.803	-.285
.620000	**		158.746	-.285
.633934		V	158.706	-.285
.633935		V	158.706	.347
.636096		ZZ	158.714	.347
.640000	**		158.726	.276
.655197		VZ	158.747	.000
.655243		V	158.747	-.001
.660000	**		158.745	-.087
.674390		KZ	158.713	-.349
.680000	**		158.694	-.349
.693525		ZZ	158.646	-.349
.700000	**		158.626	-.268
.720000	**		158.598	-.018
.721442		VZ	158.598	.000
.739493		V	158.618	.226
.740000	**		158.619	.232
.760000	**		158.691	.482
.780000	**		158.812	.732
.785461		KZ	158.854	.800
.800000	**		158.970	.800
.808690		ZZ	159.040	.800
.820000	**		159.105	.348
.823717		V	159.115	.199
.828696		VZ	159.120	.000
.838744		KZ	159.100	-.402
.840000	**		159.095	-.402
.860000	**		159.014	-.402
.865529		ZZ	158.992	-.402
.876712		V	158.858	-2.000

.880000	**		158.784	-2.469
.887895		KZ	158.545	-3.597
.896968		ZZ	158.218	-3.597
.900000	**		158.115	-3.218
.913352		V	157.797	-1.549
.920000	**		157.721	-.718
.925745		VZ	157.701	.000
.929736		KZ	157.711	.499
.940000	**		157.762	.499
.960000	**		157.862	.499
.966059		ZZ	157.892	.499
.969167		VZ	157.900	.000
.972294		V	157.892	-.502
.978529		KZ	157.829	-1.503
.980000	**		157.807	-1.503
.990461		V	157.650	-1.503
.990462	**			

\*\*\* VÝPOČET UKONČEN BEZ CHYB \*\*\*