SO 02 - Posouzení kapacity výpustného potrubí

Hydraulický návrh profilu potrubí - ustálené rovnoměrné proudění					
Průměr potrubí		DN	**1200**	mm	
Drsnost dle Manninga		n =	0.01		
Sklon potrubí		i =	15	‰	
		i =	0.015	-	
Poloměr potrubí		r =	0.6	m	

h [m]	α [°]	O [m]	S [m^2]	R [m]	c	v [$m.s^{-1}$]	Q [$m^3.s^{-1}$]	Q [$l.s^{-1}$]
0.06	51.68	0.5412	0.02114	0.0391	58.25	1.41	0.0298	29.81
0.12	73.74	0.772	0.05886	0.0762	65.12	2.20	0.1296	129.60
0.18	91.15	0.954	0.10638	0.1115	69.37	2.84	0.3017	301.74
0.24	106.26	1.113	0.16103	0.1447	72.46	3.38	0.5436	543.59
0.30	120.00	1.257	0.22111	0.1760	74.86	3.85	0.8503	850.31
0.36	132.84	1.391	0.28536	0.2051	76.80	4.26	1.2156	1215.61
0.42	145.08	1.519	0.35277	0.2322	78.40	4.63	1.6322	1632.18
0.48	156.93	1.643	0.42245	0.2571	79.74	4.95	2.0918	2091.83
0.54	168.52	1.765	0.49361	0.2797	80.87	5.24	2.5856	2585.58
0.60	180.00	1.885	0.56549	0.3000	81.82	5.49	3.1037	3103.72
0.66	191.48	2.005	0.63737	0.3179	82.61	5.70	3.6358	3635.76
0.72	203.07	2.127	0.70852	0.3332	83.26	5.89	4.1704	4170.40
0.78	214.92	2.251	0.77820	0.3458	83.78	6.03	4.6954	4695.36
0.84	227.16	2.379	0.84561	0.3555	84.17	6.15	5.1971	5197.10
0.90	240.00	2.513	0.90987	0.3620	84.42	6.22	5.6604	5660.42
0.96	253.74	2.657	0.96995	0.3650	84.54	6.26	6.0676	6067.56
1.02	268.85	2.815	1.02459	0.3639	84.50	6.24	6.3964	6396.39
1.08	286.26	2.998	1.07211	0.3576	84.25	6.17	6.6159	6615.87
1.14	308.32	3.229	1.10983	0.3437	83.70	6.01	**6.6700**	**6669.98**
1.20	360.00	3.770	1.13097	0.3000	81.82	5.49	6.2074	6207.43