S Sine of the Slope $= \frac{h}{l}$	F Fall per Mile in Feet.	$\frac{l}{S} = I$ Mean Hydraulic Inclination $\frac{l}{h}$ One Inch.	$\left(\frac{l}{S}\right)^{\frac{1}{2}} = \sqrt{I}$ or $\sqrt{\frac{l}{h}}$	Velocity in Inches per Second in 12″ Pipe.
.0044	23.232	227.27	15.08	39.90
.0045	23.760	222.22	14.91	40.43
.0046	24.288	217.39	14.75	40 94
.0047	24.816	212.77	14.59	41.46
.0048	25.344	208.33	14.44	41.96
.0049	25.872	204.08	14.29	42.47
.0050	26.400	200.00	14.15	42.96
.0051	26.928	196.08	14.00	43.45
.0052	27.456	192.31	13.87	43.96
.0053	27.984	188.68	13.74	44.44
.0054	28.512	185.19	13.61	44.93
.0055	29.040	181.82	13.48	45.42
.0056	29.568	178.57	13.36	45.90
.0057	30.096	175.44	13.25	46.33
.0058	30.624	172.41	13.13	46.82
.0059	31.152	169.49	13.02	47.27
.0060	31.680	166.67	12.91	47.73
.0061	32.208	163.93	12.80	48.25
.0062	32.736	161.29	12.70	48.68
.0063	33.264	158.73	12.60	49.12
.0064	33.792	156.25	12.50	49.57
.0065	34.320	153.85	12.40	50.07
.0066	34.848	151.52	12.31	50.49
.0067	35.376	149.25	12.22	50.94
.0068	35.904	147.06	12.13	51.39
.0069	36.432	144.93	12.04	51.82
.0070	36.960	142.86	11.95	52.26
.0071	37.488	140.85	11.87	52.66
.0072	38.016	138.89	11.79	53.11
.0073	38.544	136.99	11.71	53.52
.0074	39.072	135.14	11.63	53.93
.0075	39.600	133.33	11.55	54.35
.0076	40.128	131.58	11.47	54.83
.0077	40.656	129.87	11.40	55.21
.0078	41.184	128.21	11.32	55.70
.0079	41.712	126.58	11.25	56.09
.0080	42.240	125.00	11.18	56.47
.0081	42.768	123.46	11.11	56.86
.0082	43.296	121.95	11.04	57.33
.0083	43.824	120.48	10.98	57.67
.0084	44.352	119.05	10.91	58.15
.0085	44.880	117.65	10.85	58.49
.0086	45.408	116.28	10.78	58.98
.0087	45.936	114.94	10.72	59.34
.0088	46.464	113.64	10.66	59.77