Console

x	y	d	d2
	d3	d4	

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x	y	d	d2	d3	d4
1.0000000	1.0000000	0.0247000	-0.0005900	0.0000500	-0.0000200
1.0500000	1.0247000	0.0241100	-0.0005400	0.0000300	0.0000100
1.1000000	1.0488100	0.0235700	-0.0005100	0.0000400	-0.0000100
1.1500000	1.0723800	0.0230600	-0.0004700	0.0000300	
1.2000000	1.0954400	0.0225900	-0.0004400		
1.2500000	1.1180300	0.0221500			
1.3000000	1.1401800				

y(s) =

$$1.09544 + 0.022815s - 0.00024s^2 + 0.000005s^3$$

y1(1) = 0.500233

y2(1) = -0.256

y3(1) = 0.4

y1(1.025) = 0.493958