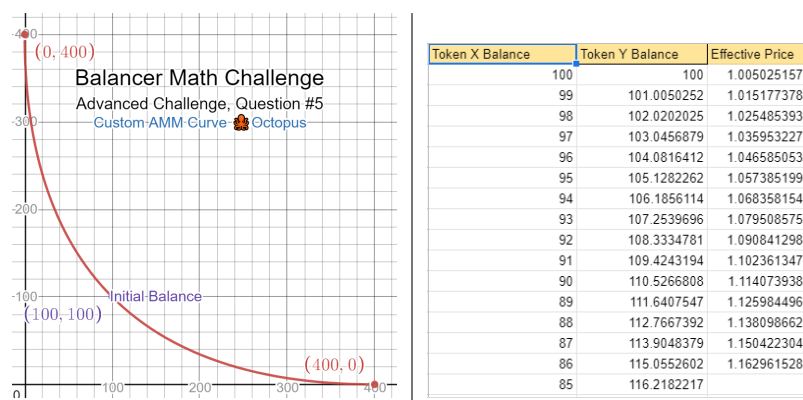# Custom AMM Curve

octopus

July 7, 2021

Below is the graph of my custom AMM curve, along with data on 15 trades for 1 Token X out of the pool.

Token X Balance	Token Y Balance	Effective Price
100	100	1.005025157
99	101.0050252	1.015177378
98	102.0202025	1.025485393
97	103.0456879	1.035953227
96	104.0816412	1.046585053
95	105.1282262	1.057385199
94	106.1856114	1.068358154
93	107.2539696	1.079508575
92	108.3334781	1.090841298
91	109.4243194	1.102361347
90	110.5266808	1.114073938
89	111.6407547	1.125984496
88	112.7667392	1.138098662
87	113.9048379	1.150422304
86	115.0552602	1.162961528
85	116.2182217	

The initial balances are 100 Token X and 100 Token Y. The curve has no asymptotes: it begins at $(0, 400)$ and ends at $(400, 0)$.