

h	$f(k+h)$	$f(k-h)$	Δf	fw	cen
10^{-1}	0.003346671634	0.003373649188	-1.349876525e-05	-0.00013498765	-0.00013488777
10^{-2}	0.00335882869	0.00336152512	-1.341708753e-06	-0.00013417088	-0.00013482151
10^{-3}	0.003360036311	0.00336030594	-1.340883769e-07	-0.00013408838	-0.00013481467
10^{-4}	0.003360156991	0.003360183954	-1.340800875e-08	-0.00013408009	-0.00013481399
10^{-5}	0.003360169058	0.003360171754	-1.340790371e-09	-0.00013407904	-0.00013481392
10^{-6}	0.003360170265	0.003360170535	-1.340778395e-10	-0.00013407784	-0.00013481486
10^{-7}	0.003360170386	0.003360170413	-1.340336609e-11	-0.00013403366	-0.00013480292
10^{-8}	0.003360170398	0.0033601704	-1.339285887e-12	-0.00013392859	-0.00013464256
10^{-9}	0.003360170399	0.003360170399	-1.294424637e-13	-0.00012944246	-0.00013373157
10^{-10}	0.003360170399	0.003360170399	-1.178441025e-14	-0.0001178441	-0.00013132941
10^{-11}	0.003360170399	0.003360170399	-3.80771803e-16	-3.807718e-05	-6.0520165e-05
10^{-12}	0.003360170399	0.003360170399	-4.566659551e-16	-0.00045666596	-0.00023093506
10^{-13}	0.003360170399	0.003360170399	-1.127570259e-16	-0.0011275703	0.00056812194
10^{-14}	0.003360170399	0.003360170399	0	0	0
10^{-15}	0.003360170399	0.003360170399	0	0	0
10^{-16}	0.003360170399	0.003360170399	0	0	0
10^{-17}	0.003360170399	0.003360170399	0	0	0
10^{-18}	0.003360170399	0.003360170399	0	0	0
10^{-19}	0.003360170399	0.003360170399	0	0	0
10^{-20}	0.003360170399	0.003360170399	0	0	0
10^{-21}	0.003360170399	0.003360170399	0	0	0
10^{-22}	0.003360170399	0.003360170399	0	0	0

Table 1: Step size study for c_M w.r.t. kd