

$h$	$f(k+h)$	$f(k-h)$	$\Delta f$	$\partial f/\partial K_{i,h}(fw)$	$\partial f/\partial K_{i,h}(cen)$
$10^{-1}$	—	—	—	—	—
$10^{-2}$	0.001000847774	—	-3.334189678e-06	-0.0003334189678	-0.0003334189678
$10^{-3}$	0.001016176262	0.0009836125949	1.1994298e-05	0.011994298	0.01628183343
$10^{-4}$	0.001005756968	0.001002519484	1.575004433e-06	0.01575004433	0.01618742314
$10^{-5}$	0.001004343391	0.001004019661	1.614273728e-07	0.01614273728	0.01618649446
$10^{-6}$	0.001004198146	0.001004165809	1.618210632e-08	0.01618210632	0.01616866641
$10^{-7}$	0.001004183582	0.001004180345	1.618595036e-09	0.01618595036	0.01618577272
$10^{-8}$	0.001004182126	0.001004181838	1.619966383e-10	0.01619966383	0.01440429998
$10^{-9}$	0.00100418198	0.001004181948	1.618261081e-11	0.01618261081	0.01618616352
$10^{-10}$	0.001004181965	0.001004181998	1.61293201e-12	0.0161293201	-0.1627675772
$10^{-11}$	0.001004181964	0.001004181964	1.705302566e-13	0.01705302566	0.01669775429
$10^{-12}$	0.001004181964	0.001004181964	1.776356839e-14	0.01776356839	0.01421085472
$10^{-13}$	0.001004181964	0.001004181964	3.552713679e-15	0.03552713679	0.01776356839
$10^{-14}$	0.001004181964	0.001004181964	0	0	0
$10^{-15}$	0.001004181964	0.001004181964	0	0	0
$10^{-16}$	0.001004181964	0.001004182	0	0	-178932.4244
$10^{-17}$	0.001004181964	0.001004181964	0	0	0
$10^{-18}$	0.001004181964	0.001004181964	0	0	0
$10^{-19}$	0.001004181964	0.001004181964	0	0	0
$10^{-20}$	0.001004181964	0.001004181964	0	0	0
$10^{-21}$	0.001004181964	0.001004181964	0	0	0
$10^{-22}$	0.001004181964	0.001004181964	0	0	0

captionStep size study