

Relation of M to increasing time step sizes

resolution = 128x128

Size of large time step

1.52587890625e-05
3.0517578125e-05
6.103515625e-05
0.0001220703125
0.000244140625
0.00048828125
0.0009765625
0.001953125
0.00390625
0.0078125
0.015625
0.03125
0.0625
0.125
0.25
0.5
1.0
2.0
4.0
8.0

1 2 4 8 16 32 64 128 256 512 1024 2048 4096 8192 16384 32768

REXI parameter M

RMS error in height

10^0
 10^{-1}
 10^{-2}
 10^{-3}
 10^{-4}
 10^{-5}
 10^{-6}
 10^{-7}
 10^{-8}
 10^{-9}
 10^{-10}
 10^{-11}

