















Spectral coefficients (Initial) 2^{6} cutoff $M_1, M_2 = 8, 8$ inside = 9.6×10^2 10^{0} $l(v_{m_1,m_2})\}^2$ 2^5 outside = 9.1×10^{-1} 10^{-3} 2^{4} m_2 (y-axis) 10^{-6} 2^3 $\{b(u^{oldsymbol{lpha},oldsymbol{\omega}},v_{m_1,m_2})$ 2^2 10^{-9} 2^1 10^{-12} 2^{0} 2^5 2^{1} 2^3

(x-axis)

 m_1

Spectral coefficients (Adam) 10^{-2} cutoff $M_1, M_2 = 8, 8$ inside = 3.2×10^{-1} outside = 9.3×10^{-1} 10^{-6} 10^{-8} $\{b(u^{oldsymbol{lpha},oldsymbol{\omega}},v_{m_1,m_2})$ 10^{-10}

 2^5

 2^3

 m_1

(x-axis)

 10^{-14}

 2^{6}

 2^5

 2^{4}

 2^3

 2^2

 2^1

 2^{0}

 2^{1}

 m_2 (y-axis)

Spectral coefficients (LS/Adam)















