## Error Convergence Analysis: Nonperiodic Function $10^{-2}$ $10^{-3}$ Absolute Error at x=0 $10^{-4}$ $10^{-5}$ $10^{-6}$ Spectral (FP64) $10^{-7}$ Spectral (FP64) Dealiased Spectral (FP32) $10^{-8}$ Central Diff (FP64) Central Diff (FP32) $10^{2}$ 10<sup>3</sup> $10^{4}$ resolution (N)