Order of Accuracy  $10^{-1}$  $10^{-2}$ 10<sup>-3</sup> Sinusoidal\_structured - QUICK Sinusoidal\_unstructured - QUICK Sinusoidal\_structured - TVD  $10^{-4}$ Sinusoidal\_unstructured - TVD Sinusoidal\_structured - Upwind Sinusoidal\_unstructured - Upwind ★ Sine\_cos\_structured - QUICK ★ Sine\_cos\_unstructured - QUICK ---- Sine\_cos\_structured - TVD Sine\_cos\_unstructured - TVD Sine\_cos\_structured - Upwind  $10^{-5}$ Sine\_cos\_unstructured - Upwind  $---\mathscr{O}(h^2)$  $10^{-2}$ 

Grid size h