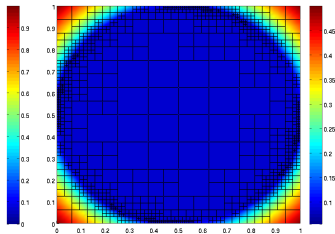
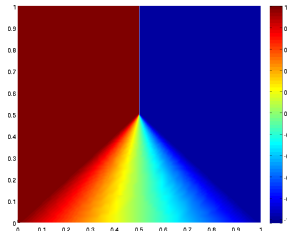


(a) Boundary layer



(b) Vortical flow



(c) Nonlinear shock

Figure: Parallel adaptive solutions using Camellia for convection-diffusion ($\epsilon = 1e - 2$) and Burgers' equations ($\epsilon = 1e - 4$).