Simulation of the diffusion equation using Crank-Nicholson scheme initial condition 1.0 condition at time 1.0s condition at time 2.5s condition at time 7.5s 0.8 -0.6 -0.4 -0.2 -0.0 -0.2 0.4 0.6 0.0 0.8 1.0

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