

# Calculation of Density in the SPH Method using Parallel Programming

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## 1 Calculation of Density

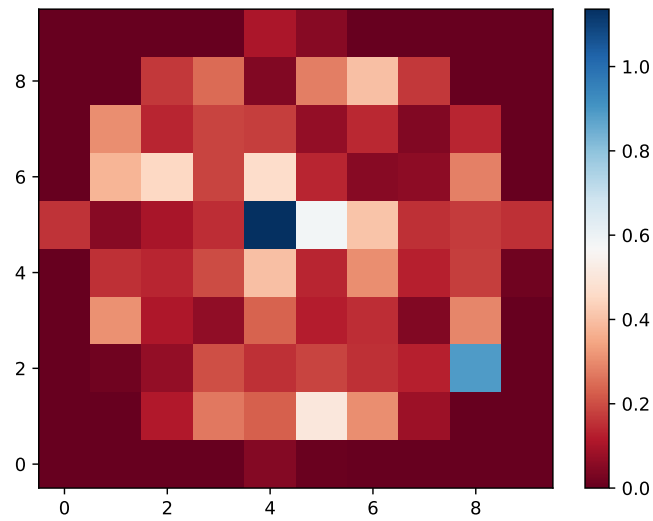


Figure 1:  $N_x = N_z = 10$

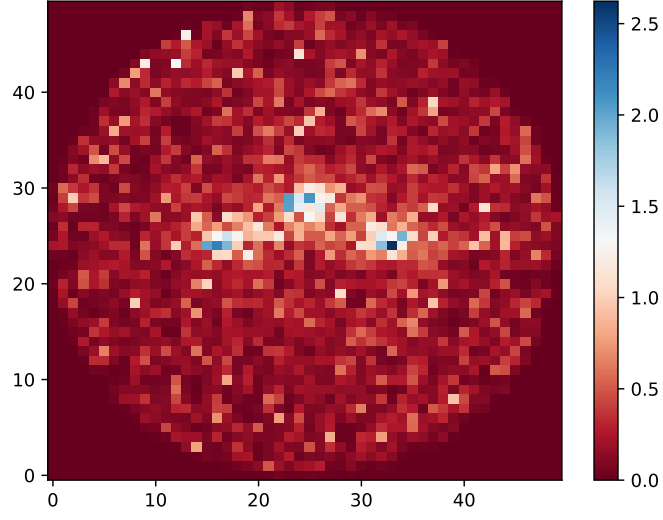


Figure 2:  $N_x = N_z = 50$

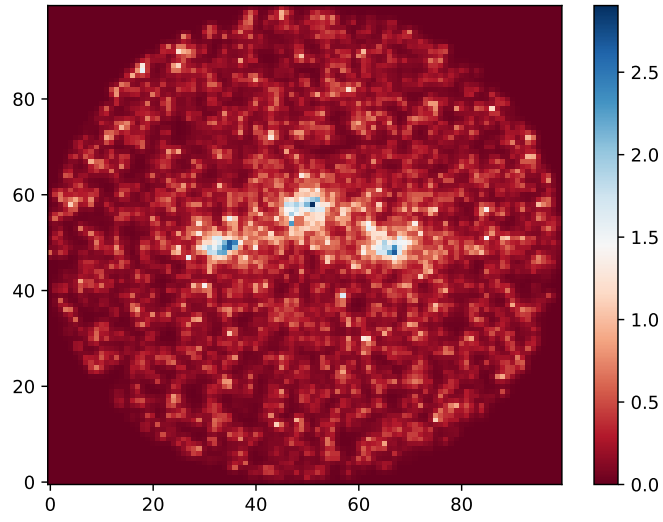


Figure 3:  $N_x = N_z = 100$