



The diagram shows a 2D environment with a white background and several gray obstacles of varying sizes. A red dotted line represents an 'Optimized reference trajectory' starting from a blue circular region at the bottom left and ending at a yellow circular region at the top right. A blue circular region is also located in the middle of the trajectory. The text 'Predicted density at time t_k ' is placed near the middle blue region.

Predicted
density
at time t_k

Optimized
reference
trajectory