Performance vs. Obstacle Count (Fixed C-value = 1.5) Lines show different sample sizes (darker = more samples) 500 400 Overall Median Duration (ms) 300 200 100 0 10 20 30 **Number of Obstacles** Planner (Sample Size) FMTx (2500 samples) FMTx (10000 samples) — RRTx (2500 samples) RRTx (10000 samples)

RRTx (5000 samples)

→ FMTx (20000 samples)

FMTx (5000 samples)

--- RRTx (20000 samples)