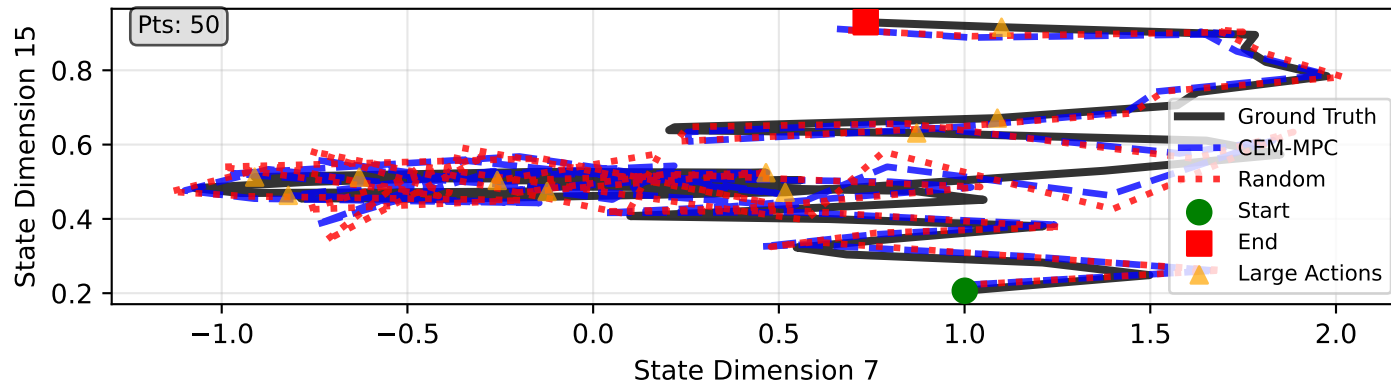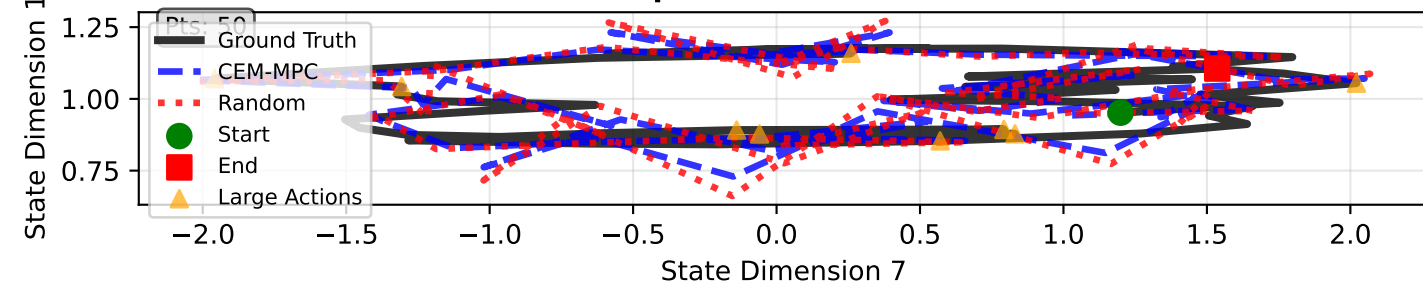**2D Trajectory Comparison: CEM-MPC vs Random Neural ODE Models**
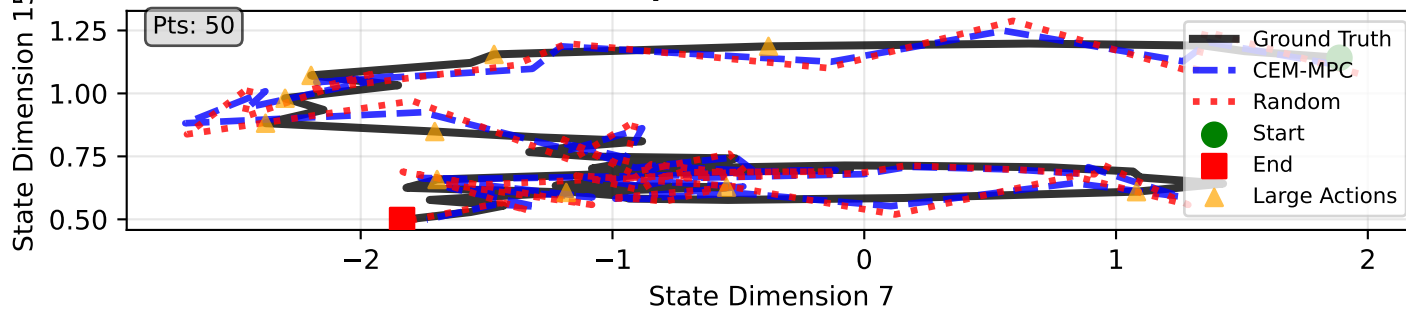
Early Trajectory (0-50)
MSE: CEM-MPC=0.0018, Random=0.0017
Improvement: -3.9%

Pts: 50

- Ground Truth
- CEM-MPC
- Random
- Start
- End
- Large Actions

State Dimension 15 / State Dimension 7

Mid Trajectory (50-100)
MSE: CEM-MPC=0.0023, Random=0.0030
Improvement: 24.5%

Pts: 50

- Ground Truth
- CEM-MPC
- Random
- Start
- End
- Large Actions

State Dimension 15 / State Dimension 7

Late Trajectory (100-150)
MSE: CEM-MPC=0.0027, Random=0.0030
Improvement: 9.5%

Pts: 50

- Ground Truth
- CEM-MPC
- Random
- Start
- End
- Large Actions

State Dimension 15 / State Dimension 7

Final Trajectory (150-199)
MSE: CEM-MPC=0.0022, Random=0.0020
Improvement: -11.0%

Pts: 49

- Ground Truth
- CEM-MPC
- Random
- Start
- End
- Large Actions

State Dimension 15 / State Dimension 7