SHAPE OPTIMIZATION VIA REINFORCEMENT LEARNING IN AFVM4CFD

Input Geometry

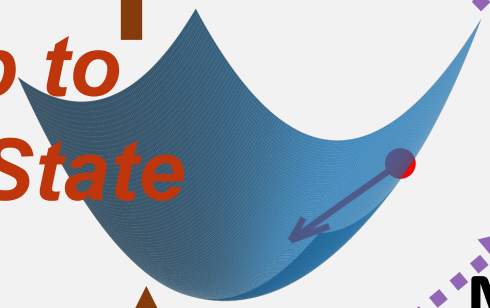


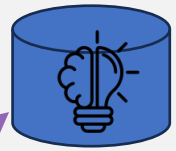
REINFORCEMENT LEARNING OPTIMIZATION

1

Sample Batch for Training
(Bellman Equation)

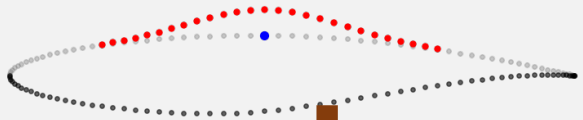
Step to Next State





Replay Buffer

Optimized Geometry



MDP transition (experience)

(S_t, A_t, R_t, S_{t+1})

ENVIRONMENT (AFVM4CFD)

3

MESH PROCESSING

2