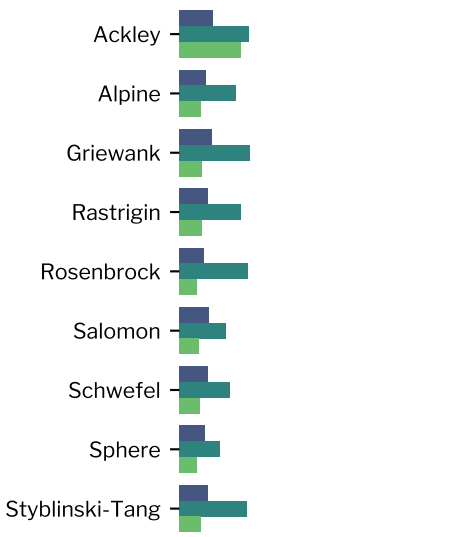
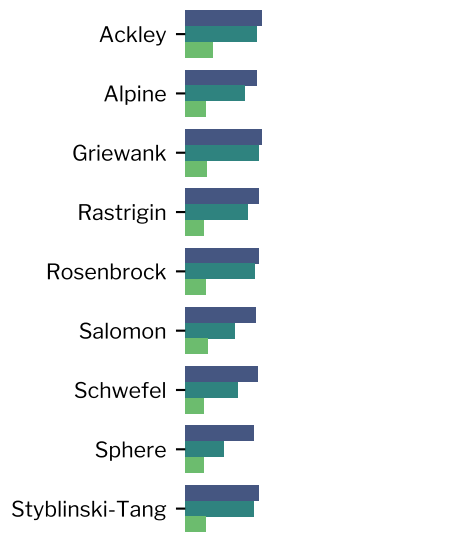


Pure PSO Vectorized PSO JAX PSO

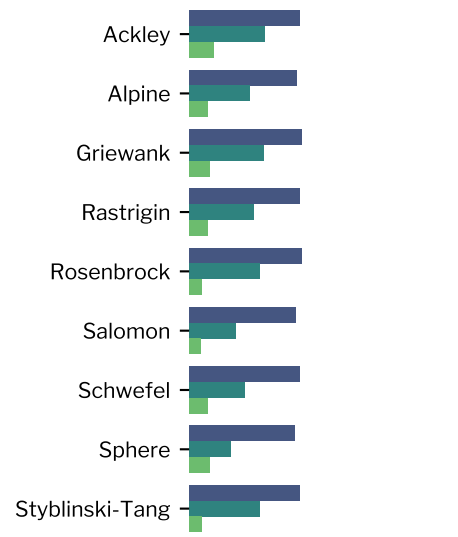
Execution Time Comparison (2D)



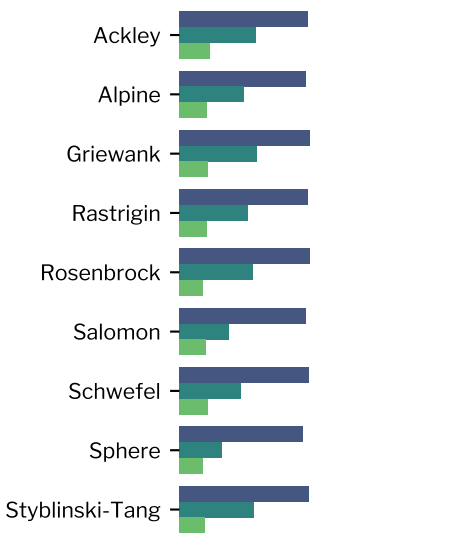
Execution Time Comparison (10D)



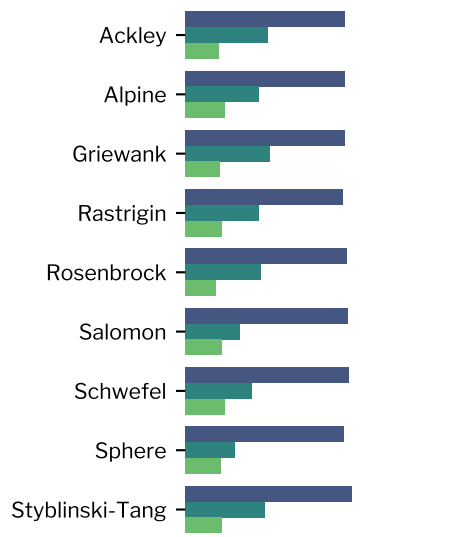
Execution Time Comparison (30D)



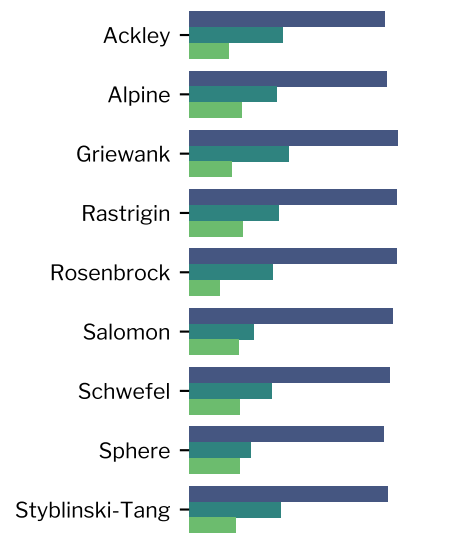
Execution Time Comparison (50D)



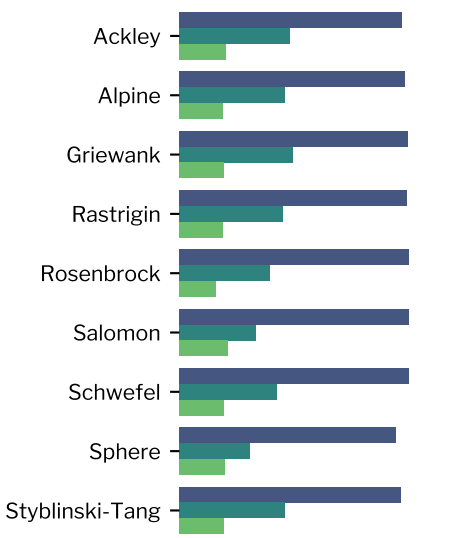
Execution Time Comparison (100D)



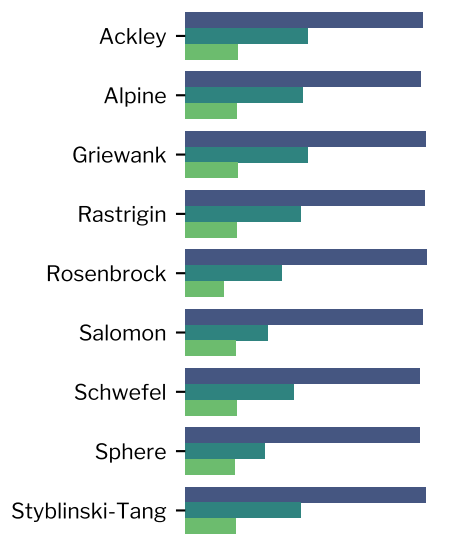
Execution Time Comparison (250D)



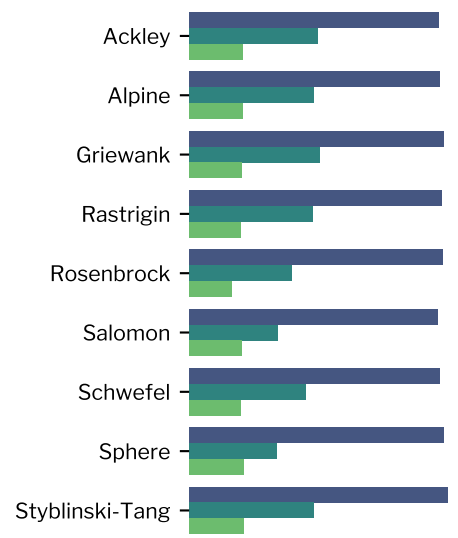
Execution Time Comparison (500D)



Execution Time Comparison (750D)



Execution Time Comparison (1000D)



10⁻¹ 10⁰ 10¹
Execution Time (s)

10⁻¹ 10⁰ 10¹
Execution Time (s)

10⁻¹ 10⁰ 10¹
Execution Time (s)