# Partially Optimal Cubic Subspace Clustering

## Research Project Machine Learning

Volodymyr Drobitko

Technische Universität Dresden

21.07.2025

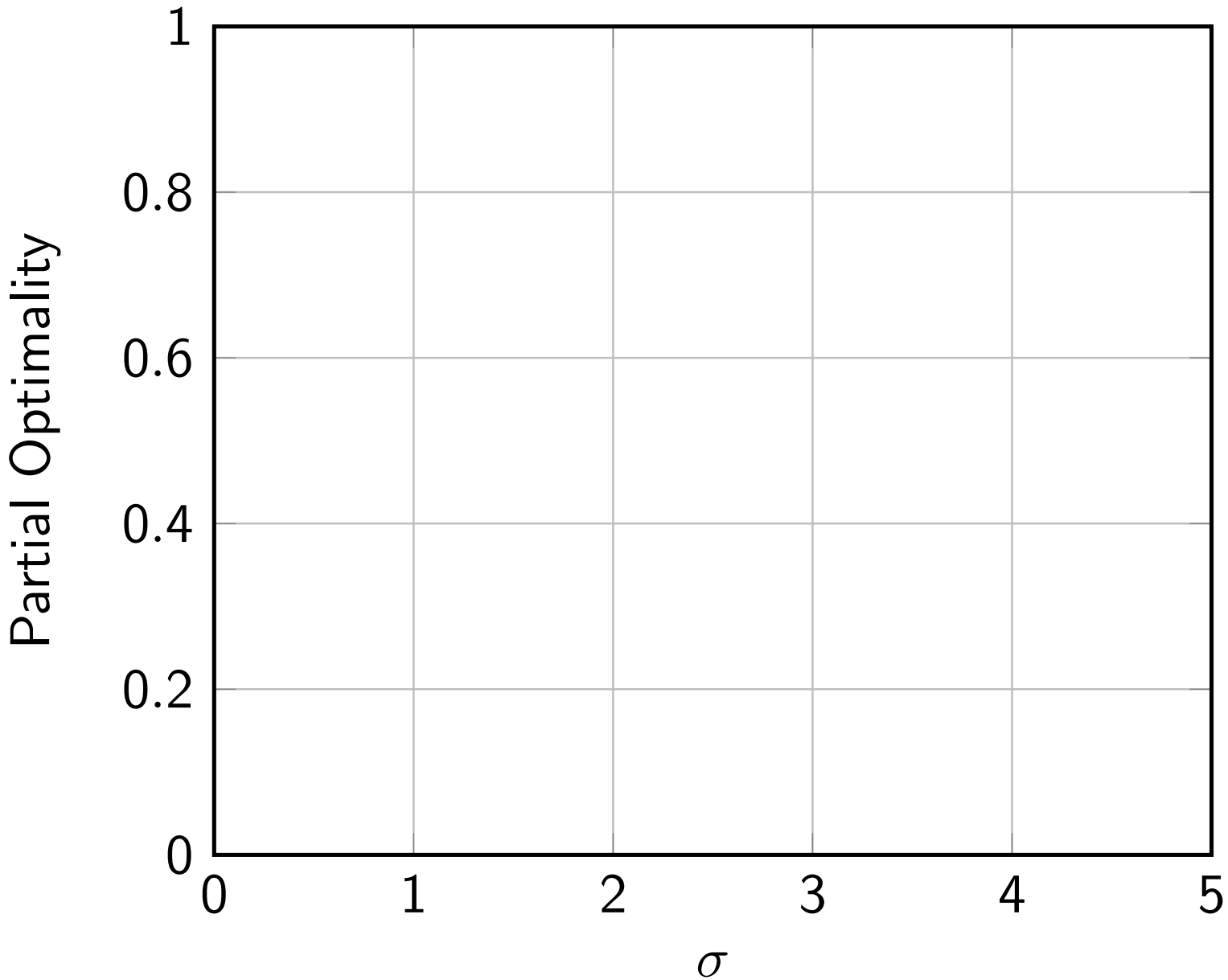
# Experiments

My laptop characteristics, Random cubic subspace instances with different seeds max point component size 100 (noise are the percents then) no noise 0, small noise 1, significant noise 3, large noise 5, (Table: instance size + noise + instance count)

# Cost Function Evaluation

blue and red dots, conflicts and and their effect (picture of the typical cost function evaluation)

# Partial Optimality Analysis (median)



# Experiment Results

3x(7x12x17x22) time-optimality-accuracy (min-max-average)
DIAGRAM!!! mention the coefficients to prove the efficiency, partial optimality and accuracy!!!