$$f(x, y) = -x^2 - y^2$$

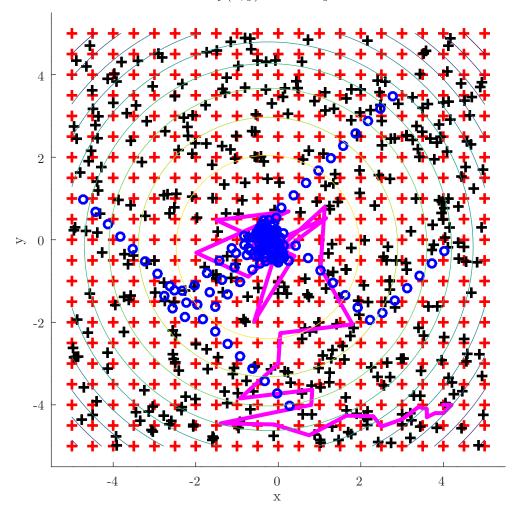Legend:
- grid search (441 evals)
- random search (400 evals)
- Nelder-Mead (80 evals)
- particle swarm (150 evals)