Tests for H_0: Log−concave vs H_1: Not log−concave

Normal location family $f^*(x) = 0.5\phi_d(x) + 0.5\phi_d(x - \mu)$. $n = 100$ obs. 200 sims.

Rejection proportion

$||\mu||$ in normal location family, where $\mu = -(||\mu||, 0, ..., 0)$

Method
- Partial oracle, axis−aligned projections
- Partial oracle, random projections
- Fully nonparametric, axis−aligned projections
- Fully nonparametric, random projections
- Full oracle, d−dim
- Partial oracle, d−dim
- Permutation test