

# KnotInfo Test

- KnotInfo database 2977 knots and their braid representations.
- Our algorithm identifies quasipositive knots ( $rk(x) = |\gamma(x)|$ ) with a 75% success rate.
- Shows that  $g_S = g_r$  for 498 knots.

# Overview: Brute Force Search

- Algorithm for generating bands instead of “seeing them”.
- Is  $rk$  computable?
- Construct practical version of the algorithm.