Kalka: Reidemeister distance of knot diagrams and complexity of relations in the braid group

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Following work by Hass & Nowik.

$d(D, I) \leq 2^{Cn}$ $\quad C \sim 10^{11}$ Hass–Lagarias

n-xing diagram $\quad I = \bigcirc$

http://www.math.lsa.umich.edu/~lagarias/

$\mathcal{D}$ = set of directed knot diagrams.

$\mathcal{L}$ = set of directed 2-component link diagrams

$\mathcal{L} \ni D \longrightarrow D^a \in \mathcal{D}$ for $a \in D_+ \cup D_-$

by 

... Continued as in ~/People/Kalka/Reidemeister_Distance.pdf

... some lower bounds as well, up to quadratic