

# A table of coherent band-Gordian distances between knots

Hiomasa Moriuchi

Osaka City University Advanced Mathematical Institute

**Abstract.** A coherent band surgery is a local move on an oriented link, which is equivalent to a smoothing a crossing. The coherent band-Gordian distance between two links is the least number of coherent band surgeries needed to transform one link into the other. We introduce some criteria for two links which are related by a coherent band surgery. Then we give a table of coherent band-Gordian distances between two knots with up to seven crossings. This is a joint work with Taizo Kanenobu.