

Rank-One Connections at Infinity and Quasiconvex Hulls

Kewei Zhang

Department of Mathematics, Macquarie University, Sydney, NSW 2109, Australia, kewei@ics.mq.edu.au

Abstract: We define p -rank-one connections at infinity for an unbounded set K in $M^{\{N \times n\}}$ and show that the quasiconvex hull $Q_p(K)$ may be bigger than K if K has a p -rank-one connection, where $Q_p(K)$ is the zero set of the quasiconvex relaxation of the p -distance function to K . We examine some examples and compare $Q_p(K)$ with $\mathbf{Q}_p(K)$ - a more restrictive quasiconvex hull of K .



Full text of the article:

- [Compressed DVI file](#) (44 kilobytes)
- [Compressed PostScript file](#) (136 kilobytes)
- [PDF file](#) (292 kilobytes)

[\[Previous Article\]](#) [\[Next Article\]](#) [\[Contents of this Number\]](#)
