
PETER QUAST, Universität Augsburg

The 'equator' of a symmetric space

In 1988 Chen and Nagano introduced centrioles in compact symmetric spaces, which generalize equators in spheres. Centrioles are connected components of the set of midpoints between two 'antipodal' points. In this talk we discuss some beautiful geometric properties of centrioles and we sketch applications to homotopy theory.

This talk is partially based on joint work with A.-L. Mare and on joint work with M. S. Tanaka.