

The 22nd International Workshop on Differential Geometry of Submanifolds in Symmetric Spaces

& The 17th RIRCM-OCAMI Joint Differential Geometry Workshop

- On the occasion of Prof. Young Jin Suh's 65th Birthday -

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Knot energy

We discuss infinitesimal bending of curves and knots in \mathcal{R}^3 . A brief overview of the results on the infinitesimal bending of curves is outlined. Change of the Willmore energy, as well as of the total curvature, total torsion and total normalcy under infinitesimal bending of knots is considered. Our visualization tool devoted to visual representation of infinitesimal bending of knots is used to present the deformation.

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