B.-Y. CHEN INEQUALITIES FOR SLANT SUBMANIFOLDS IN KENMOSU SPACE FORMS

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Dedicated to Bang-Yen Chen

Abstract

In this paper, we established relationships between the main extrinsic invariant (the squared mean curvature) and intrinsic invariant and also a version of B.-Y. Chen’s inequality for a slant submanifold of a Kenmotsu space form, tangent to the structure vector field of the ambient space, particularizing them to invariant and anti-invariant submanifolds.

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