

Complex and Real Hypersurfaces of Locally Conformal Kähler Manifolds

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ABSTRACT

We studied (with Y. Cherevko and O. Chepurna) complex and real hypersurfaces immersed in locally conformal Kähler manifolds. We have obtained conditions for the immersions, if the manifolds admit existence of such complex hypersurfaces that are orthogonal to both Lee and anti-Lee vector fields.