

INVESTIGATION OF HOPF HYPERSURFACES WITH RECURRENT RICCI TENSORS IN COMPLEX TWO PLANE GRASSMANNIANS

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ABSTRACT. In this paper, several kinds of recurrent Ricci tensors will be defined on M in complex two-plane Grassmannians $G_2(\mathbb{C}^{m+2})$. Moreover using these notions, complete classifications of Hopf hypersurfaces in $G_2(\mathbb{C}^{m+2})$ with recurrent Ricci tensors will be given.

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