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A note on the height of the third Stiefel–Whitney class of the canonical vector bundles over some Grassmann manifolds

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Abstract: We compute the height of the third Stiefel–Whitney characteristic class of the canonical bundles over some infinite classes of Grassmann manifolds of five dimensional vector subspaces of real vector spaces.

Keywords: Grassmann manifold; height of Stiefel–Whitney characteristic class

AMS Subject Classification: 57N65, 57R20

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