

Description of orthogonal vector fields over W^* -algebra of type I 2

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Abstract

© 2015, Allerton Press, Inc. In the paper we give a characterization of a w^* -continuous orthogonal vector field F over a W^* -algebra of type I2 in terms of reductions of F on the center of the algebra. As an application we obtain a new proof of the assertion that an arbitrary w^* -continuous orthogonal vector field over a W^* -algebra of type I2 is stationary.

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Keywords

orthogonal vector field, W^* -algebra