ID contributo: **1**   Tipo: **non specificato**

Differential calculus on Jordan algebras and Jordan modules

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Jordan algebras provide suitable ground to formalize properties of a finite dimensional quantum geometry. Recently M. Dubois-Violette proposed an interpretation both of quark-lepton symmetry and of the existence of three generations of particles in terms of rapresentations of the exceptional Jordan algebra.
During this talk I shall review such a theory and then present some recent results in the thoery of connections on Jordan modules.

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