Seminarankündigung

Deformationsquantisierung

Am 27.11.2020 spricht um 14 Uhr s.t.

`https://bbb.durates.net/b/ste-2va-uez`

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Coisotropic Vector Bundles via Sheaves

The notion of coisotropic algebra encapsulates the algebraic essence of various reduction procedures used in differential geometry, among others that of reduction of a Poisson manifold by a coisotropic submanifold. The obvious concept of a coisotropic module over a coisotropic algebra has recently been used to identify a category of vector bundle-like structures equivalent to the category of regular projective coisotropic modules, thereby giving a version of the famous Serre-Swan theorem compatible with reduction. One drawback of this approach is that the tangent bundle is not contained in this category. In this talk I will present a different concept of coisotropic vector bundles and give a characterization in terms of locally weakly free coisotropic sheaves of modules.

gez. Stefan Waldmann