
Characterization of three dimensional Jacobi-Poisson manifolds.

Ibrahima HAMIDINE, Université Abdou Moumouni, Niger, ibrahima.hamidine@uam.edu.ne.

J. W. Mahamane SAMINOUE ALI, Université d'Agadez, Niger, mahamanesaminou@gmail.com

Abdouleye Tankary BANAOU, Université Abdou Moumouni, Niger, tankarybanou@gmail.com.

Mouhamadou HASSIROU, Université Abdou Moumouni, Niger, mouhamadouhassirou@gmail.com.

After a reminder of essential notions concerning Jacobi and Poisson manifolds, we study the relationships between their structures. We also show that for any three-dimensional Jacobi manifold, we can construct a Poisson structure on the same manifold. The paper concludes with some examples of such manifolds.