

8th International Conference on Symmetries and Integrability of Difference
Equations (SIDE8) **June 22–28, 2008**
8^e Conférence internationale “Symétrie et intégrabilité des équations aux
différences” (SIDE8) **22–28 juin, 2008**

Grassmannians, KP tau-functions and Poisson structures

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Abstract

The talk is based on joint works with **A. Kasman**, **M. Shapiro**,
and **A. Vainshtein**. First, we will give a characterization of linear oper-
ators whose natural action on Grassmannians generate KP tau-functions.
Then Poisson properties of the Postnikov’s map from directed weighted
networks in a disk into Grassmanians will be described.