

MULTIPLE ZETA VALUES SEMINAR

Miércoles, 24 de septiembre de 2014

15:00 h., Aula Gris 2 (ICMat, Campus de Cantoblanco)

Dominique Manchon

CNRS - Université Blaise Pascal, Clermont-Ferrand

The double shuffle structure
of the Ohno-Okuda-Zudilin
 q -multiple zeta values

Resumen:

Several q -analogues of multiple zeta values have been explored in the recent years. The model recently proposed by Y. Ohno, J.-I. Okuda and W. Zudilin shows particularly good algebraic properties, and readily extends to arguments running over all the integers, regardless to the sign. We exhibit the iterated Jackson integral representation of these q MZVs, and describe the q -double shuffle relations thus obtained.

Joint work with Jaime Castillo-Medina and Kurusch Ebrahimi-Fard.