

Deformation quantization with branes and coloured MZVs

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Kontsevich celebrated universal deformation quantization formula involves certain coefficients, that are periods. Banks, Panzer and Pym have shown that these coefficients are linear combinations of multiple zeta values (MZVs). We explain a generalization to the setting of deformation quantization in the presence of branes (in the sense of Cattaneo-Felder), where MZVs are replaced by coloured MZVs.

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