

On the symplectic classification of toric fibres

Joé Brendel

(Université de Neuchâtel)

Most fibres of toric moment maps are Lagrangian tori and it is natural to ask which of these are symplectically equivalent. This question has been settled by Chekanov in the case of product tori in symplectic vector space and by Shelukhin--Tonkonog--Vianna in the case of the complex projective plane, but is open in general. We discuss some recent progress made around this question and in particular we present a construction which produces large equivalence classes of toric fibres and recovers all of them in the two known cases mentioned above.