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Garay, Mauricio D. (D-MNZ); **van Straten, Duco** (D-MNZ)

On the topology of Lagrangian Milnor fibres.

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Infinitesimal deformations of Lagrangian varieties are given as the first cohomology of a certain complex. The authors prove that a relative version of this complex has higher direct image sheaves of free modules, provided the deformation is Lagrangian infinitesimally versal over a smooth base. For such deformations they use this fact to prove the Lagrangian $\mu = \tau$ Theorem: the dimension of the first cohomology group of the Lagrangian Milnor fibre equals the dimension of the base space of a Lagrangian miniversal deformation.

Reviewed by *Jan Stevens*

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Note: This list reflects references listed in the original paper as accurately as possible with no attempt to correct errors.