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Título: Symplectic Actions Of 2-Tori On 4-Manifolds

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Sinopsis

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In this paper the author classifies symplectic actions of 2-tori on compact connected symplectic 4-manifolds, up to equivariant symplectomorphisms. This extends results of Atiyah, Guillemin-Sternberg, Delzant and Benoist. The classification is in terms of a collection of invariants of the topology of the manifold, of the torus action and of the symplectic form. The author constructs explicit models of such symplectic manifolds with torus actions, defined in terms of these invariants.

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Global model up to equivariant diffeomorphisms

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Classification

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