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A Brief Tour of Metaplectic-c Prequantization

A metaplectic-c prequantization of a symplectic manifold is defined. Its construction is compared with Kostant-Souriau prequantization with half-form correction. Some results involving metaplectic-c prequantizations are surveyed, including calculations of quantized energy levels and a metaplectic-c equivariant version of the Delzant construction of toric manifolds.