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Alejandro Uribe* (uribe@umich.edu), 2074 East Hall, 530 Church St., Ann Arbor, MI 48109-1043. *Semi-classical Hermite states and applications*. Preliminary report.

Hermite states are h -dependent families of functions associated with isotropic submanifolds of phase space. They generalize lagrangian distributions. They possess symbols, which are symplectic spinors, and there is a symbol calculus. I will describe the theory of semi-classical Hermite states and outline some applications. This is in part joint work with Victor Guillemin and Zuoqin Wang. (Received February 28, 2017)