

K-theoretic aspects of the nearby Lagrangian conjecture

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It was recently shown by M. Abouzaid, S. Courte, S. Guillermou and T. Kragh that every nearby Lagrangian admits a so-called twisted generating function of tube type, thereby establishing a connection between the nearby Lagrangian conjecture and Waldhausen's algebraic K-theory of spaces. I will discuss several aspects of this connection, including a joint work in progress with M. Abouzaid, S. Courte and T. Kragh which finds new restrictions on the smooth structure of nearby Lagrangians.

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