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Hiro Lee Tanaka* (hiroleetanaka@gmail.com), 601 University Drive, Math Department, Texas State University, San Marcos, TX 78666. *Higher homotopical structures in symplectic geometry.*

New tools in higher category theory are allowing us to create new tools in symplectic geometry, many of which also promise to create applications of symplectic geometry tools in stable homotopy theory (and vice versa). I will report on some recent progress. (Received March 03, 2021)