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Arend Bayer* (`bayer@math.utah.edu`), Department of Mathematics, 155 S 1400 East R. 233, Salt Lake City, UT 84112-0090. *Stability conditions, wall-crossing and Donaldson-Thomas invariants.*

We will explain how stability conditions in the derived category explain relations between different Donaldson-Thomas type invariants. (Received August 20, 2008)