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Thomas Brüstle* (tbruest1@ubishops.ca), 2600 College Street, Sherbrooke, Quebec J1M1Z7, Canada, and **David Smith** and **Hipolito Treffinger**. *Stability for abelian categories and green sequences.*

The general notion of stability was formalised in the context of abelian categories by Rudakov. We study in this talk Rudakov's stability functions on abelian categories, and relate them to the language of torsion classes, partially inspired by Bridgeland's work on scattering diagrams. Finally, we generalize in this context the notion of maximal green sequences to green paths. (Received March 16, 2017)