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Justin Allman* (allmanjm@wfu.edu) and **Richard Rimanyi**. *An iterated residue perspective on stable Grothendieck polynomials*. Preliminary report.

Grothendieck polynomials are important objects in the study of the K-theory of flag varieties. They exhibit many remarkable properties which have been studied in the context of algebraic geometry and tableaux combinatorics. We introduce a new tool, similar to generating sequences, which we call the iterated residue technique. As an application, we give a new proof that the Pieri rule for stable Grothendieck polynomials exhibits alternating signs. (Received September 04, 2014)