1134-05-268 **Damir Yeliussizov*** (damir@math.ucla.edu), 520 Portola Plaza Math Science room 6363 UCLA, Los Angeles, CA 90095. *Schur operators and identities for skew stable Grothendieck polynomials.*

Stable Grothendieck polynomials are certain symmetric powers series that can be viewed as a K-theoretic analog of Schur polynomials. Using noncommutative Schur operators we prove skew Cauchy identity for families of dual Grothendieck polynomials. We then derive various formulas that generalize properties of Schur functions. This approach gives new natural instances of dual filtered Young graphs. (Received September 09, 2017)