1126-05-234 Andrew Cooper* (andrew.cooper@math.ncsu.edu), Vin de Silva and Radmila Sazdanovic.

A 'chromatic' polynomial for simplicial complexes. Preliminary report.

We introduce a new polynomial invariant of simplicial complexes, motivated by the chromatic polynomial and the work of Eastwood-Huggett. We will describe the construction and discuss some of the polynomial's formal properties. (Received January 15, 2017)