1131-13-362 **Rebecca R.G.*** (rirebhuh@syr.edu) and Felipe Perez. Test ideals for all characteristics. Preliminary report.

We define the test ideal of a general closure operation and give some of its properties. If the closure comes from a big Cohen-Macaulay module or algebra, or a family of such modules or algebras, then the test ideal behaves similarly to the tight closure test ideal used in characteristic p > 0. These test ideals may be used to study both the singularities of the ring and the family of big Cohen-Macaulay modules or algebras over the ring. (Received July 18, 2017)