CHRISTOPHER RAMSEY, MacEwan University
The numerical diameter of linear maps

The numerical range and the numerical radius are much loved and much studied objects as they extend the eigenvalue information of a matrix into the non-normal setting. In this joint work with Niel de Beaudrap (Sussex) we study the diameter of the numerical range and the induced seminorm on linear maps between operator systems. In particular, the completely bounded numerical diameter is a norm comparable to but distinct from the completely bounded norm.