## PAWEL SARKOWICZ, University of Ottawa

Polar decomposition in algebraic K-theory

We discuss how polar decomposition gives a natural relationship between the (Hausdorffized) algebraic  $K_1$  group and the (Hausdorffized) unitary algebraic  $K_1$  group for a unital C\*-algebra, where one must account for positive elements in terms of tracial information.