

## **Comparison theorems for norms of matrix splittings using general cones**

**Hans Schneider** (joint work with Thomas Seidman and Marina Arav)

We prove two comparison theorems for norms of splittings of matrices in the setting of proper cones in a finite dimensional real space by considering cone linear absolute norms and cone max norms. Subject to additional hypotheses, we show that these comparison theorems can hold only for such norms within the class of cone absolute norms.