1135-47-1547   **Tom-Lukas Kriel*** (`tom-lukas.kriel@uni-konstanz.de`). *Absolute extreme points and generators of matrix convex sets.*

We consider a closed matrix convex set K in a finite number of variables. It be written as the matrix convex hull of a single operator tuple L on a separable Hilbert space. We explain how the absolute extreme points of K are encoded in L. In the case that the closed matrix convex hull of the absolute extreme points equals K, there is a "minimal" choice of the generator L. (Received September 23, 2017)