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**Martin Bobb\*** (mbobb@math.utexas.edu), 2515 Speedway, RLM 8.100, Austin, TX 78712. *Flats in Compact Convex Projective Manifolds.*

We will discuss properly embedded codimension-1 simplices in divisible convex domains. These substructures play a role analogous to flat subspaces in non-positively curved Riemannian manifolds. The main result is a decomposition theorem for compact convex projective manifolds along codimension-1 flats which generalizes a 2006 result of Benoist in dimension 3. (Received September 09, 2019)