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Andrew A Cooper* (andrew.cooper@math.ncsu.edu), Box 8205, North Carolina State University, Raleigh, NC 27695. *Singularities of Lagrangian Mean Curvature Flow Are Mild or Conical.*

We investigate the singularities of compact Lagrangian mean curvature flows in complex Euclidean space by means of smooth singularity models. Singularities of such flows are either mild (type I) or can be modeled by unions of special Lagrangian cones. We will discuss applications of this result to conjectures of Thomas-Yau-Wang and Joyce regarding the structure of special Lagrangians in Calabi-Yau manifolds. (Received September 13, 2015)