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*Constant scalar curvature Kähler cone metrics*

We will review some recent progress on constant scalar curvature Kähler metrics with conical singularities along a divisor. We will discuss the existence of such special metrics, focussing on the particular case of projective bundles. Moreover, we will explain some very recent results on the relationship between such metrics and uniform log-K stability in view of the logarithmic Yau-Tian-Donaldson conjecture.