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**Towards constructing constant scalar  
curvature Kähler metrics on elliptic  
surfaces**

**16. April 2019 – 16.15 Uhr**

**Seminarraum IGT, Raum 7.530, Pfaffenwaldring 57**

Abstract: Gluing techniques have been establishing themselves as a standard, albeit difficult, approach for constructing geometrical objects with special properties. In this talk, I will focus on this technique in the context of Kähler metrics with constant scalar curvature on elliptic surfaces. Among the first requirements for this program to even take off are (1) to have the right model-metrics and (2) to figure out the obstructions for gluing such metrics together into metrics with desired properties. This is joint work with Michale Singer and Joel Fine.

