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Seyfi Turkelli* (turkelli@math.uga.edu), 290 Appleby Dr, #266, Athens, GA 30605. *Counting Algebraic Numbers of Fixed Degree and Fixed Height over Global Fields.*

Masser-Vaaler and Thunder counts the algebraic numbers of fixed degree (over a fixed global field) and fixed height. In this talk, generalizing the work of Thunder, we will count the branch covers $Y \rightarrow C$ (of a smooth projective curve C/\mathbb{F}_q) in a conic bundle $X \rightarrow C$ with fixed height and fixed degree. We will discuss open problems and possible generalizations. (Received September 08, 2009)