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Hiren Maharaj* (hmahara@clmson.edu), Dept. of Math Sciences, Clemson University,
Clemson, SC 29634-0975. *On Elkies modularity conjecture.*

Elkies modularity conjecture asserts that any recursively defined asymptotically optimal tower over a finite field of size q^2 arises from a family of elliptic modular curves, Shimura curves, or Drinfeld modular curves by reduction. In this talk, I will explain this conjecture. (Received September 11, 2006)