

Arithmetic points in moduli spaces

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Let \mathcal{M}_g denote the moduli spaces of closed surfaces of genus $g \geq 2$, and let \mathcal{A}_g be the set of points in \mathcal{M}_g that correspond to arithmetic surfaces. We will discuss some results, conjectures, and intriguing observations about the distribution of the points from \mathcal{A}_g in \mathcal{M}_g .