On Chisini's Conjecture

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The talk will be devoted to Chisini's Conjecture which claims that any generic covering $f : S \to \mathbb{P}^2$ of the projective plane $\mathbb{P}^2 := \mathbb{CP}^2$ is defined uniquely by its branch curve $B \subset \mathbb{P}^2$ if $\deg f \geq 5$. We will give an outline of the proof of this conjecture in the case of generic projections and discuss a problem that the connected components of moduli space of polarized projective surfaces are defined uniquely by the braid monodromy factorization types of branch curves of generic projections to the projective plane.