

**Twisted character varieties**  
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Abstract: Analytic differential equations with symmetries give rise to twisted local systems on Riemann surfaces, possibly with orbifold "singularities". The associated monodromy representation is then no longer a group morphism, but a crossed morphism instead. By enlarging the formalism slightly, in order to incorporate anti-holomorphic actions, one establishes a link between twisted character varieties and decomposable representations of surface groups, first introduced in genus 0 by Elisha Falbel and Richard Wentworth. The goal of the talk is to link that story to a relatively old question of Carlos Simpson, and give a few examples of known results on twisted character varieties of Fuchsian groups.