Griffiths Uniformization and the Braid Group

M. Shahshahani
School of Mathematics, IPM
Iran

The long standing conjecture about the linearity of the Artin braid group was finally settled by Bigelow and Krammer independently. In this lecture we give a simple and transparent proof of this fact on the basis of a theorem of Griffiths on the uniformization of certain quasi-projective algebraic varieties.