

Title: Hypergeometric series and their connections with elliptic curves and modular forms.

ABSTRACT. In this talk we introduce hypergeometric series in the p -adic setting. We discuss certain connections between elliptic curves and hypergeometric series. Also we talk about a particular case of Kummer's transformation formula and a particular case of Clausen's transformation formula in the p -adic setting. Then finally we discuss certain relations occurring between hypergeometric series and modular forms.