

2.2.19

[REDACTED]

Let $L^2(G)$ be square integrable functions on $G = SL_2(\mathbb{A}_\mathbb{R})$

Set $\mathfrak{g} = \mathfrak{sl}_2$ the Lie algebra

$T = \text{torus} = (K^*)^2$ in SL_2

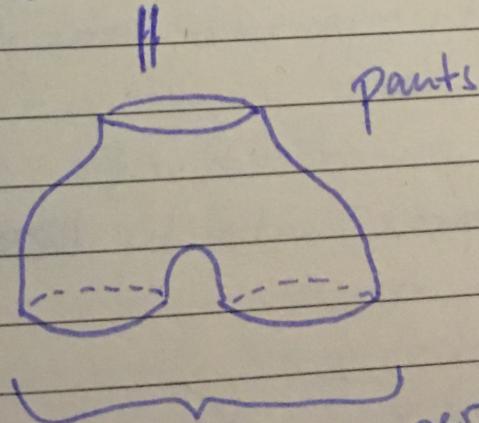
and \mathfrak{t} its Lie alg. Set $f: G \rightarrow \mathbb{C}$ a holomorphic function on G

restricting to T gives a central character & the regular representations have embedding

$$L^2(T) \hookrightarrow L^2(SL_2)$$

$$f|_T \quad f$$

Say $f: \mathbb{R}^2 - \{0, 1, \infty\}$ holomorphic



physics paper
by Moore &
Seiberg is a
pretty cool
interpretation
of this.