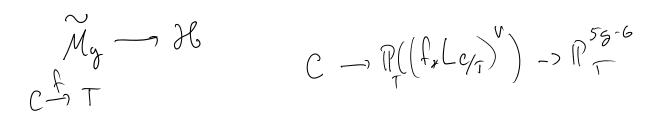
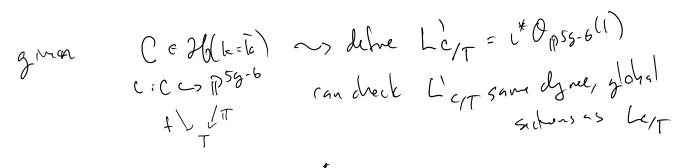
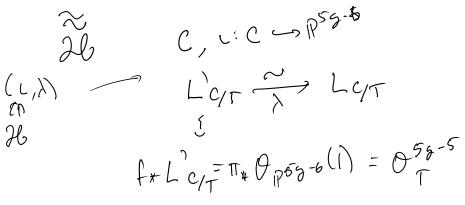
Lecture 25: Moduli of curves

Tuesday, November 11, 2014 11:15 AM



o: 059-5 mflc/5





$$\begin{array}{c}
\widetilde{M_{y}} \longrightarrow \widetilde{2b} \\
(C, \sigma; \mathcal{O}_{T}^{5s-5} + L_{c/T}) \longrightarrow C \longrightarrow \mathbb{P}((L_{s} \perp c/_{T})) \cong \mathbb{P}_{v}^{5s-6} \\
\sigma indres \quad the \mathcal{O}(1) \implies f_{s} \perp c/_{T} \\
\widetilde{\sigma} \vdash c/_{T} \qquad \widetilde{\lambda}
\end{array}$$

image of Mg is naturally
$$\tilde{\mathcal{H}}_{0} \hookrightarrow \tilde{\mathcal{A}}_{0} \dots$$

cloud
 \Rightarrow Mg represented by a solutione. (guessi - projectic)
 $\tilde{\mathcal{M}}_{g} \longrightarrow \mathcal{M}_{g} \stackrel{c}{\downarrow}_{f} \qquad G = GL_{53} \cdot 5 \text{ acts on } \tilde{\mathcal{M}}_{g} \text{ in }$
 $\int (C, \sigma: \theta^{53 \cdot 5} \longrightarrow f_{s}L) \qquad g (C, \sigma: \theta^{53 \cdot 5} \longrightarrow f_{s}L_{s}L)$
 $\tilde{\mathcal{M}}_{g} [G] \xrightarrow{} 1; \neg T \qquad \forall a \quad (C, \sigma_{g}) ?$
 $C, \sigma: \theta^{53 \cdot 5} \longrightarrow f_{s}L \qquad G \xrightarrow{} G_{T} \longrightarrow (\tilde{\mathcal{M}}_{g})_{T} \xrightarrow{}_{g}$
 $= C$