garge O laAP golov, contid. - 2 (Knot) = : Fk (x; y) Hol (mesidian) ~ (× *) - 2 (g) | g-sezmile = WRT (k) --. closel M3 Fic(x;q)|q-sernik=k-Jn(K;q)... M3= Kcompl. x=qn - relation to Turaer torsion & Alexander polyn. $F_{\kappa}(x; y) |_{y \to 1} = \frac{x^{1/2} - x^{-1/2}}{\Delta_{\kappa}(x)}$ $\frac{\lambda_{\kappa}(x)}{\lambda_{\kappa}(x)} = \frac{\lambda_{\kappa}(x)}{\lambda_{\kappa}(x)}$ $\frac{\lambda_{\kappa}(x)}{\lambda_{\kappa}(x)} = \frac{\lambda_{\kappa}(x)}{\lambda_{\kappa}(x)}$ Turaer toision, becoker Q=H, (M3) - relation to SL(Z)(C) Chern-Simons

& A-polynomial franketype Vasilier invis 2 (H3, q) = 96 (corciqe-) = exp(15,65,es,66) + tiser Ponuldson-Thomas

| Grown Witten
| (of southy)

The grown of the grown -A-polynonial? xye (xxt) - Lor M3= \$3 \ K, Ak(x,y) = 0 -e.g. A3, (x,y)=(y-1)(y+x's) Covlomb

Covlomb - quantize: 29-992 34=et. and look at $A(\hat{x},\hat{g}) \exp\left(\frac{1}{\hbar}\sum_{n=0}^{\infty}S_n(x)\cdot h^n\right)=0$ exp(= Slogg dx e.-) SL(2,0)-CS on \$3~K