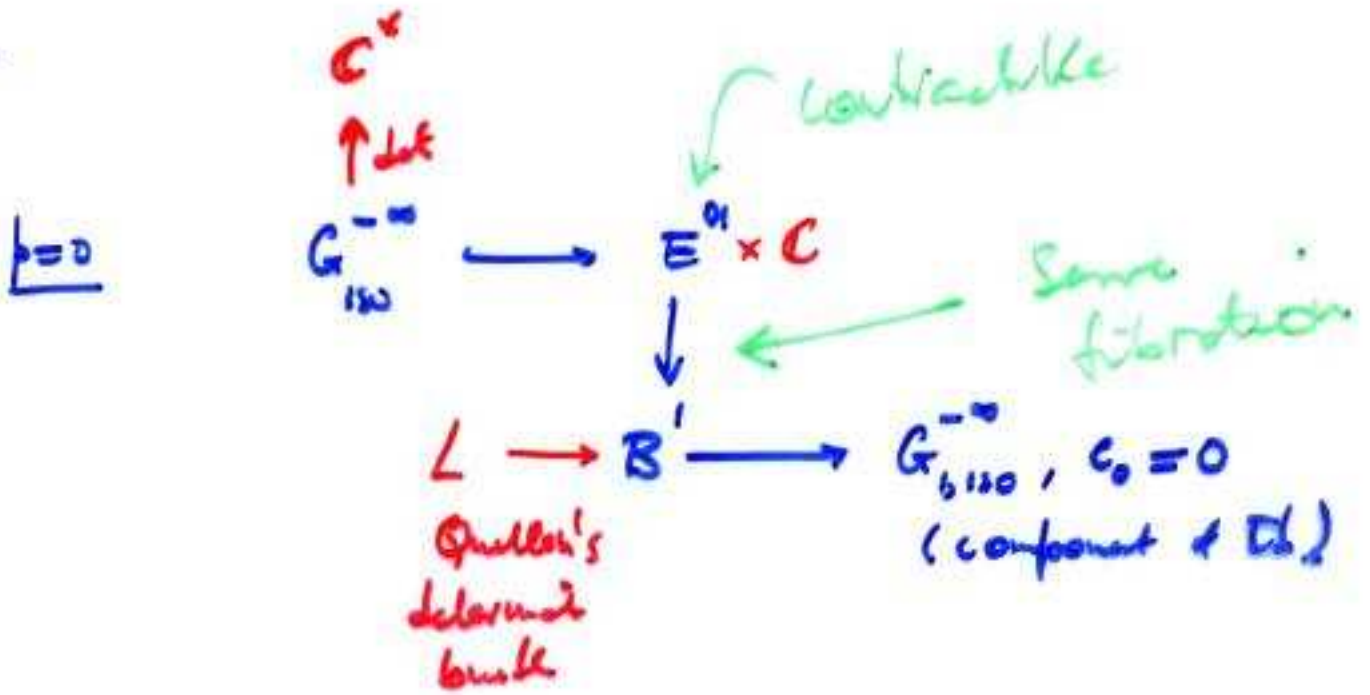
11.



on $G^{-\infty}_{\mathrm{Iso}}$ $\quad d \log \det = \mathrm{Tr}\,(P^{-1} dP)$

on E' $\quad \alpha = \overline{\mathrm{Tr}}_H\,(P^{-1} dP)$

$\omega = " d\alpha = -\mathrm{Tr}_R\,(P^{-1}dP\,P^{-1}dP\,PD_H P)$

descends to ω a 2-form on B^1

$c_1^e = \frac{1}{2\pi i}\,\omega$ 1st (even) Chern class.

$K^{-1}(X) = [X;\, G^{-\infty}_{\mathrm{Iso}}]$

$\dot{K}^{-2}(X) = [X;\, B^1]$

$c_1^e : \dot{K}^{-2}(X) \longrightarrow H^2(X;\mathbb{Z})$

$\Omega\mathcal{Q}$