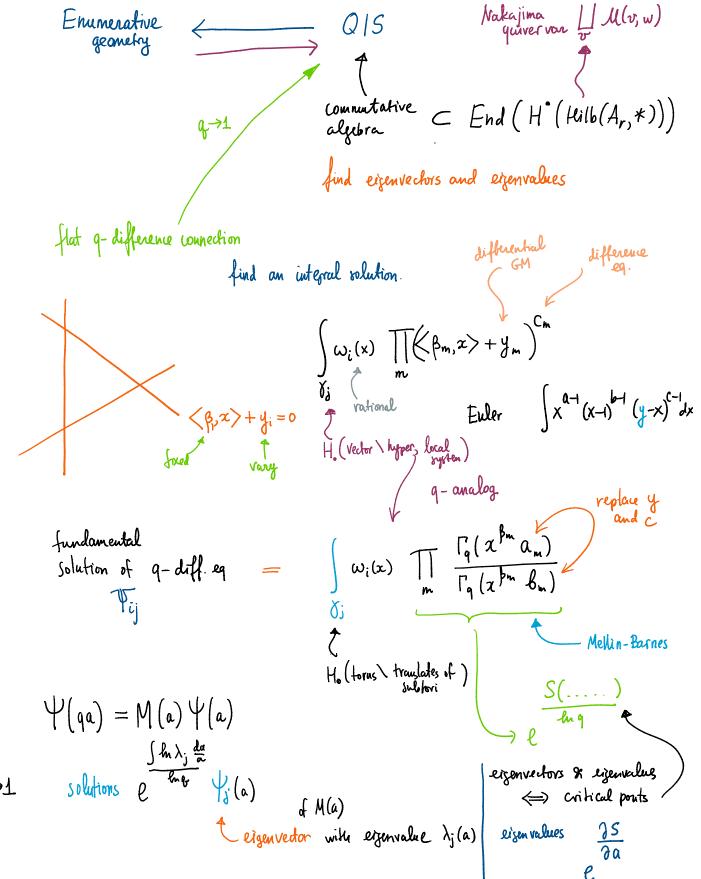
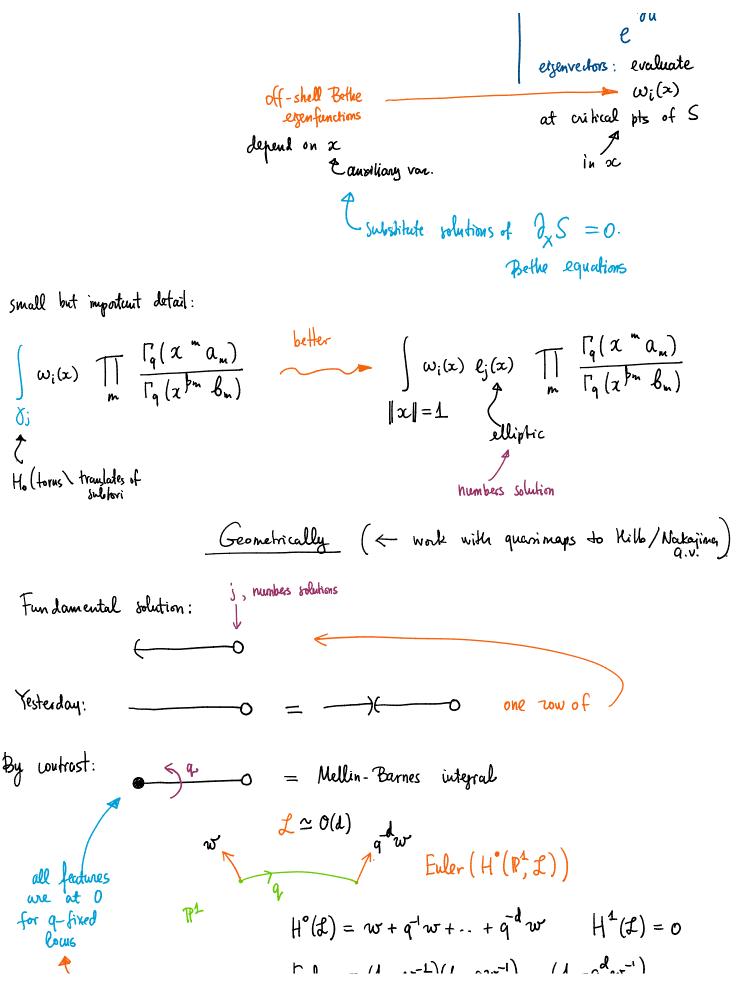
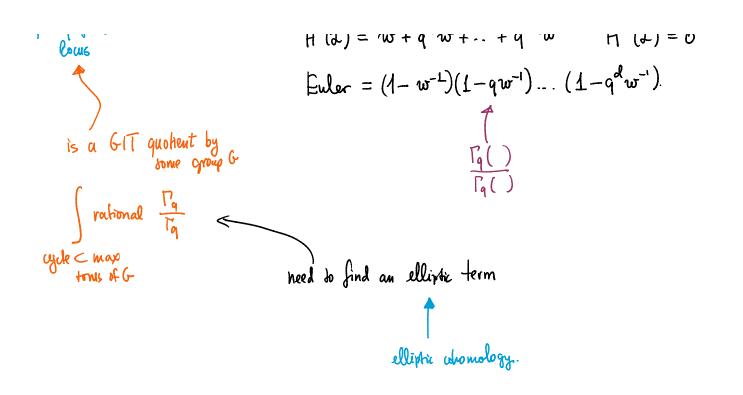
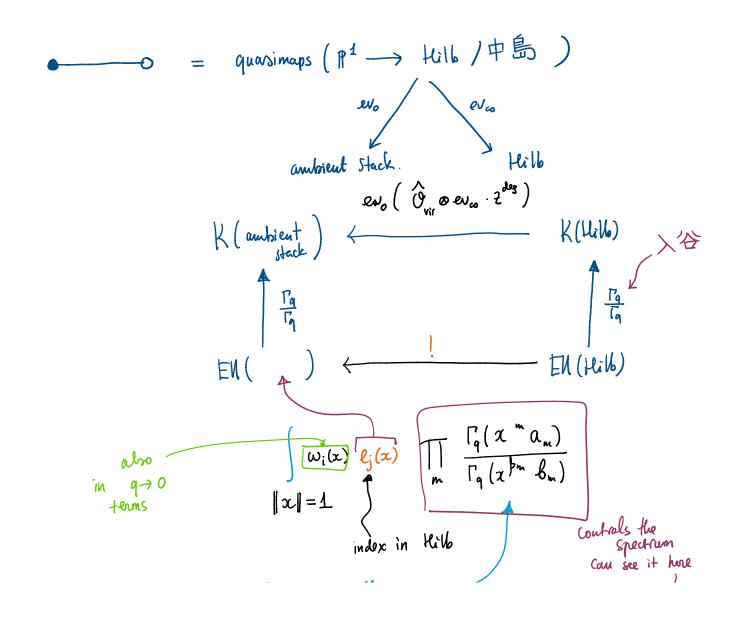
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Spectrum Cau see it here

these details do not affect

observe already in NS ~ 2007

basis of their conjectures

Elliptic cohomology

$$H^*(\mathbb{P}^{n-1},\mathbb{C}) = \mathbb{C}[x]/x^n$$

$$c_1(00)$$

$$\begin{pmatrix} a_1 \\ \vdots \\ a_n \end{pmatrix} \hookrightarrow \mathbb{P}(\mathbb{C}^n) \qquad H_A^*(\mathbb{P}^{n-1},\mathbb{C}) = \mathbb{C}[x,a_1,..,a_n] / \prod_{i=1}^n (x+a_i)$$

ae lie

 a_1 a_2 a_3

Spec $x = -a_i$ value of $c_1(O(1))$ on fixe pt.

Spec $K_{\Lambda}(\mathbb{P}(\mathbb{C}^{n}))$ $\alpha = O(1)$ $x = a_{1}^{-1}$

each hyperplane is the cohomology of $pt \in (\mathbb{P}^{n-1})^A$

Spec $K_A(P(C^n))$ $x = ai^{-1}$ $a \in A$ torus

Spec K (Cx)2 (Hilb (C2,n))

a2 1 C2

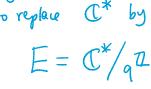
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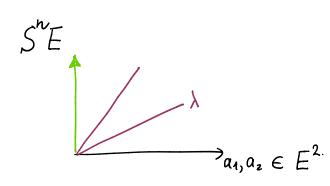
by Tout (and its 1 Tout).

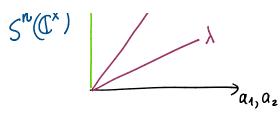
Cleary, it makes sense to replace C* by

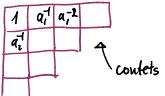
of tout by I me

to replace C* by





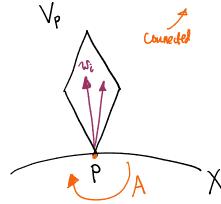




Important:

EllG(X) is a scheme not an algebra

covariant in both G and X



$$|Euler(V)|$$
 = in cohomology $|T|w_i$
= in K-theory $|T(1-w_i^{-1})|$
= $|T|\mathcal{P}(w_i)$ odd that a.

of rowk n

$$\begin{array}{c}
V \longrightarrow V^n/GL(n) \\
\downarrow \\
X \longrightarrow Pt/GL(n)
\end{array}$$

$$w_1, \dots, w_n$$
 $\text{Tr} \mathcal{V}(w_i) = 0$

functions on H/Spack.

(T) < pull back (divisor = { one of the numbers }. Euler (V) is a S.s. dogree O bundles with a section Section Pushforwards involve Euler classes and hence twists by line bundles in H in K $\frac{1}{\pi w_i} \qquad \frac{1}{\pi (1 - \frac{1}{w_i})} \qquad \frac{1}{\vartheta(w_i)}$ pushforward by localization: $\Theta(TX) \longrightarrow EU(pt)$ bush for word $X \longrightarrow pt$ inclusion $pt \longrightarrow X$ $EV(A) \longrightarrow \Theta(TX)$ YCX Canonical on Ell Smooth Pic(X) & E Pico(EII(X)) Kähler voumbles/q quantum computation classical computation in EW