

Whence $\delta\beta$?

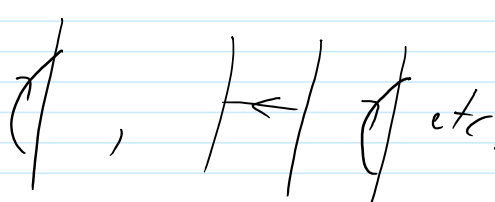
May 7, 2016 12:36 PM

only from hts:

Definition of hts.

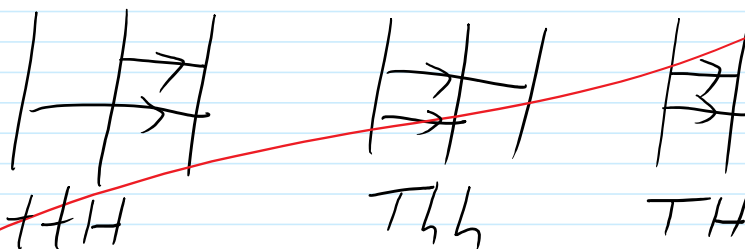
```
UU[ε_] // hts[y_, x_] := S[UU[Expand[ε /. {
  a[f_, i_, j_] => a[f, i, j] - Kδjy γ[∂bx f, i, y] -
  Kδix Kδjy (β[f bx] - δa[f, c, y] - δβ[bx ∂bx f]),
  δa[f_, x, y] => δa[f, x, y] - δβ[f bx],
  δaa[f_, i_, j_, k_, l_] =>
  δaa[f, i, j, k, l] + Kδix Kδjy δa[-bx f, k, l] +
  Kδix Kδly (δa[bk f, x, j] - δa[bx f, k, j]) +
  Kδkx Kδjy (δa[bi f, x, l] - δa[bx f, i, l]) +
  Kδkx Kδly δa[-bx f, i, j] - Kδix Kδjly δβ[bx bk f] +
  2 Kδxik Kδyjl δβ[bx bk f]
}]]];
```

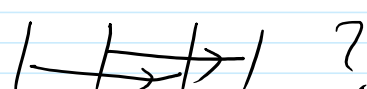
⇒ From single-strand head over tail commutators of an arrow.

⇒ I need to keep track of  etc.

everything is filtered by "shrinking support" *"once together always together"*.

Maybe I should name the following $\delta a a$ cases separately:



(perhaps I should rename $\delta a a$ to $tthh$ in the disjoint case  ?)

→ Not true! Scattering will disperse "together"

↳ Not true! Scattering will disperse "together"
arrows.