

```

UU[ε_] // hts[y_, x_] := CF[UU[Expand[ε /. {
  a[f_, i_, j_] := a[f, i, j] - κδjy δhb[∂bx f, i, ϕ, y] -
    κδix κδjy (β[f bx] - δa[f, ϕ, 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] + κδix κδjy δa[-bx f, k, l] +
    κδix κδly (δa[bk f, x, j] - δa[bx f, k, j]) +
    κδkx κδjy (δa[bi f, x, l] - δa[bx f, i, l]) +
    κδkx κδly δa[-bx f, i, j] - κδix κδjly δβ[bx bk f] +
    2 κδxik κδyjl δβ[bx bx f]
}]]];

```