

QZip _{ζ_s} List@ \mathbb{E} [L _, Q _, P _] :=

Module[{ ζ , z , zs , c , ys , ηs , qt , $zrule$, $\zeta rule$ },

zs = Table[ζ^* , { ζ , ζs }];

c = **CF**[Q /. Alternatives @@ ($\zeta s \cup zs$) $\rightarrow \emptyset$];

ys = **CF**@Table[∂_{ζ} (Q /. Alternatives @@ $zs \rightarrow \emptyset$), { ζ , ζs }];

ηs = **CF**@Table[∂_z (Q /. Alternatives @@ $\zeta s \rightarrow \emptyset$), { z , zs }];

qt = **CF**@Inverse@Table[$K\delta_{z, \zeta^*} - \partial_{z, \zeta} Q$, { ζ , ζs }, { z , zs }];

$zrule$ = Thread[$zs \rightarrow$ **CF**[$qt \cdot (zs + ys)$]];

$\zeta rule$ = Thread[$\zeta s \rightarrow \zeta s + \eta s \cdot qt$];

CF /@ \mathbb{E} [L , $c + \eta s \cdot qt \cdot ys$,

Det[qt] **Zip** _{ζs} [P /. ($zrule \cup \zeta rule$)]];