

LZip _{ζ_s _List, simp_} @ \mathbb{E} [L_, Q_, P_] :=

Module [{ ζ , z, zs, c, ys, η s, lt, zrule, L1, L2, Q1, Q2},

zs = Table [ζ^* , { ζ , ζ s}];

c = L /. Alternatives @@ (ζ s \cup zs) \rightarrow 0;

ys = Table [∂_{ζ} (L /. Alternatives @@ zs \rightarrow 0), { ζ , ζ s}];

η s = Table [∂_z (L /. Alternatives @@ ζ s \rightarrow 0), {z, zs}];

lt = Inverse@Table [K δ_{z, ζ^*} - $\partial_{z, \zeta}$ L, { ζ , ζ s}, {z, zs}];

zrule = Thread [zs \rightarrow lt. (zs + ys)];

L2 = (L1 = c + η s.zs /. zrule) /. Alternatives @@ zs \rightarrow 0;

Q2 = (Q1 = Q /. U21 /. zrule) /. Alternatives @@ zs \rightarrow 0;

simp /@

\mathbb{E} [L2, Q2, Det [lt] e^{-L2-Q2}

Zip _{ζ_s} [e^{L1+Q1} (P /. U21 /. zrule)] // . 12U];

LZip _{ζ_s _List} := **LZip** _{ζ_s , CF};