

Pensieve header: A fresh implementation of baby DoPeGDO. Continued pensieve://2020-12/.

Scheme:  $E\_[] // E\_[]$  calls FZip or Zip, which are functionally the same. Zip works by handling the quadratic part and calling PZip for the perturbation-only part. PZip works by iteratively solving the synthesis equation. FZip works by encapsulating coefficients, calling Zip, and back-substituting.

Variables and their duals:

$$\begin{aligned} \{y^*, x^*\} &= \{\eta, \xi\}; \\ \{\eta^*, \xi^*\} &= \{y, x\}; \\ (u_{-i-})^* &:= (u^*)_i; \end{aligned}$$