Gradient de pression dans NEMO

Pressure on level ρ

First surface pressure

$$P_1 = -\frac{1}{2}g.dzw_{1.}\rho_1$$

with

$$dzw_1 = 2.(zw_1 - zr_1)$$

Then accumulate from the surface

from k=2 to jpk-1

$$P_k = P_{k-1} - \frac{1}{2}g \cdot dz w_k (\rho_k + \rho_{k-1})$$

with

$$dzw_k = zr_{k-1} - zr_k$$
 é

$$zw_1 \xrightarrow{zr_1} \bullet \rho_1$$

$$\begin{array}{c|c} Zw_{jpk\text{-}1} & & W_{jpk\text{-}1} \\ Zr_{jpk\text{-}1} & \bullet & \rho_{jpk\text{-}1} \\ ZW_{jpk} & & & W_{jpk\text{-}1} \end{array}$$