

Field-average formation pressure (<P_e>)

$$(1) \quad p_r = \sum_{k=1}^N w_k \cdot p_{rk}, \quad w_k = \frac{q_k}{\sum q_k}, \quad \sum w_k = 1$$

where $k = 1..N$ is running through wells with [formation pressure](#) tests p_{rk} and rates q_k