Time of burial-related pressure-solution along bedding-parallel stylolites

Range of depth of active burial-related pressure solution along bedding-parallel stylolites

Onset of LPS and development of tectonic stylolites-vertical veins pair

Burial-related stress regime

Tectonic stress regime

2-vertical

1-horizontal

Range of \(\Delta^{18}O\) absolute crystallization temperature of cements of LPS-related vertical veins

Time at which tectonic contraction started to prevail

\[ L_c = \frac{\gamma E}{\alpha \sigma_v^2} \] (uniaxial strain hypothesis)