| Parameter | Solid | Fluid |
|---|---|---|
| Stiffness tensor $\mathbf{D}$ | $= \mathbf{D}(K, \nu)$ | |
| Bulk modulus $K$ | $2.2 \times 10^{10}\,\mathrm{Pa}$ | |
| Poisson ratio $\nu$ | 0.2 | |
| Biot coefficient $\alpha$ | 1 | |
| Thermal expansion $\beta$ | $8 \times 10^{-6}\,\mathrm{m^3\,m^{-3}\,K^{-1}}$ | $2.1 \times 10^{-4}\,\mathrm{m^3\,m^{-3}\,K^{-1}}$ |
| Porosity $\phi$ | 0.01 | 1 |
| Compressibility $c$ | | $1 \times 10^{-10}\,\mathrm{Pa^{-1}}$ |
| Permeability $\mathcal{K}$ | $1 \times 10^{-11}\,\mathrm{m}$ | $\Omega_l$, $\Omega_x$: $a^* \cdot a^2/12$ |
| Viscosity $\mu$ | | $1 \times 10^{-3}\,\mathrm{Pa\,s^{-1}}$ |
| Density $\rho$ | $2700\,\mathrm{kg\,m^{-3}}$ | $1000\,\mathrm{kg\,m^{-3}}$ |
| Heat capacity $C$ | $790\,\mathrm{J\,K^{-1}}$ | $4208\,\mathrm{J\,K^{-1}}$ |
| Thermal conductivity $\kappa$ | $3.1\,\mathrm{W\,m^{-1}\,K^{-1}}$ | $0.6\,\mathrm{W\,m^{-1}\,K^{-1}}$ |
| Friction coefficient $F$ | 0.9 | |
| Initial temperature $T_0$ | $0\,^\circ\mathrm{C} = 273\,\mathrm{K}$ | |
| Initial aperture $a_0$ | $1 \times 10^{-4}\,\mathrm{m}$ | |
| Numerical parameter $c^*$ | $1 \times 10^{4}\,\mathrm{Pa\,m^{-1}}$ | |

The effective parameters of Eqs. (1) and (2) of the paper are

$$\rho C = \phi C_f \rho_f + (1-\phi) C_s \rho_s,$$
$$\kappa = \phi \kappa_f + (1-\phi)\kappa_s.$$

These reduce to the fluid values in the fractures, where $\phi = 1$. The normal parameters $\mathcal{K}_j$ and $\kappa_j$ are inherited from the fracture, and divided by $a$.