| Parameter | Value | Unit | Description |
|---|---|---|---|
| $n$ | 3 | | Glen's law exponent |
| $T$ | $-15$ | °C | Ice temperature |
| $\rho_{\mathrm{i}}$ | 910 | $\mathrm{kg\,m^{-3}}$ | Density of ice |
| $\rho_{\mathrm{w}}$ | 1000 | $\mathrm{kg\,m^{-3}}$ | Density of water |
| $g$ | $-9.8$ | $\mathrm{m\,s^{-2}}$ | Gravitational acceleration |
| $a$ | 0.3 | $\mathrm{m\,yr^{-1}}$ | Accumulation rate |
| $C_{\max}$ | 0.1 | | Cavitation sliding maximum value |
| $q$ | 1 | | Cavitation sliding post peak exponent |
| $n$ | 3 | | Glen's law exponent |
| $m$ | $1/3$ | | Power-law exponent ($m = 1/n$) |
| $A$ | $3 \times 10^{-25}$ | $\mathrm{s^{-1}\,Pa^{-3}}$ | Glen's law parameter |
| $A_{\mathrm{S}}$ | $4.1613 \times 10^{5}$ | $\mathrm{Pa^{-1/3}\,m\,s^{-1}}$ | Cavitation sliding parameter |
| $u_{t0}$ | 0.01 | $\mathrm{m\,yr^{-1}}$ | Cavitation sliding linear velocity |
| $C_{\mathrm{W}}$ | $3.812 \times 10^{6}$ | $\mathrm{Pa\,m^{-1/3}\,s^{1/3}}$ | Weertman friction parameter |