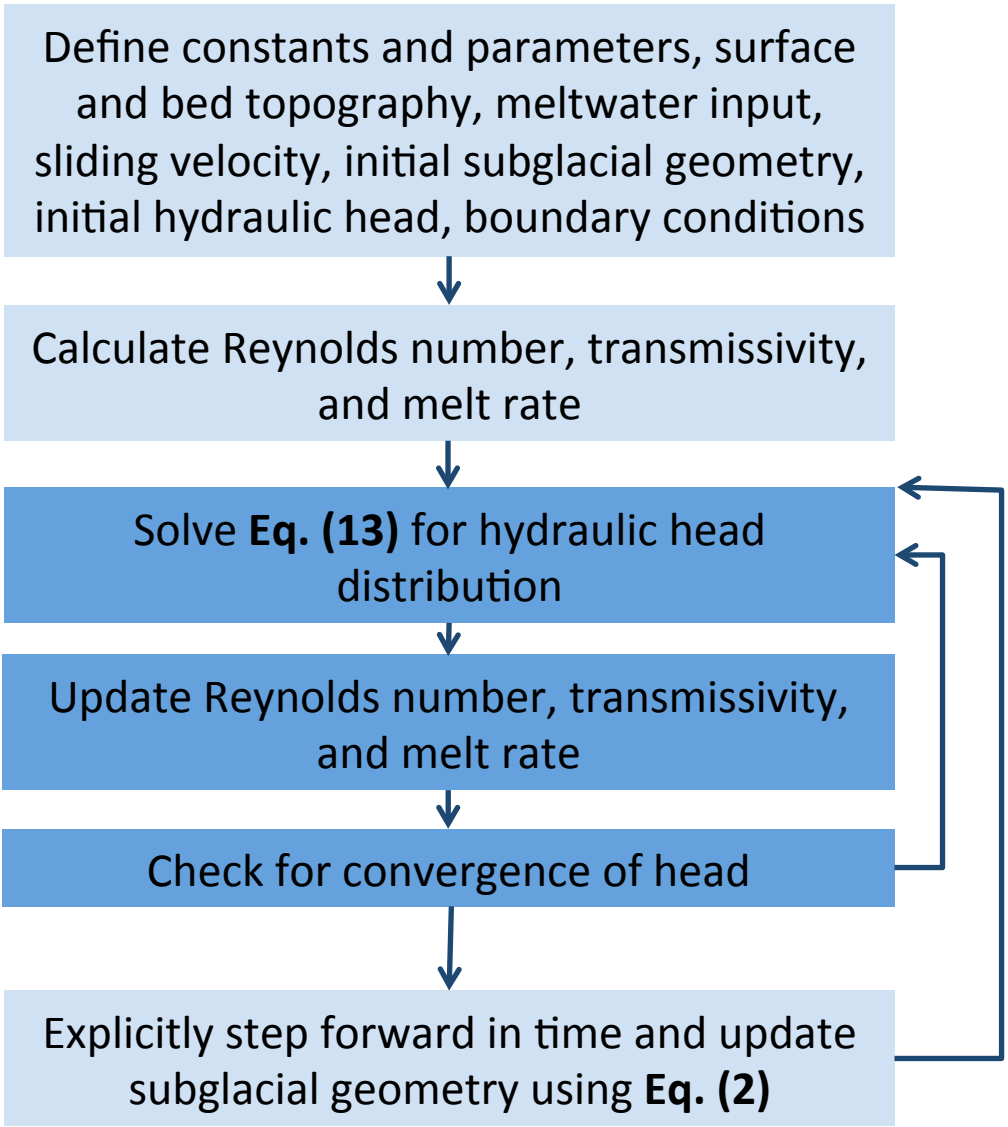
Define constants and parameters, surface and bed topography, meltwater input, sliding velocity, initial subglacial geometry, initial hydraulic head, boundary conditions
Calculate Reynolds number, transmissivity, and melt rate
Solve **Eq. (13)** for hydraulic head distribution
Update Reynolds number, transmissivity, and melt rate
Check for convergence of head
Explicitly step forward in time and update subglacial geometry using **Eq. (2)**