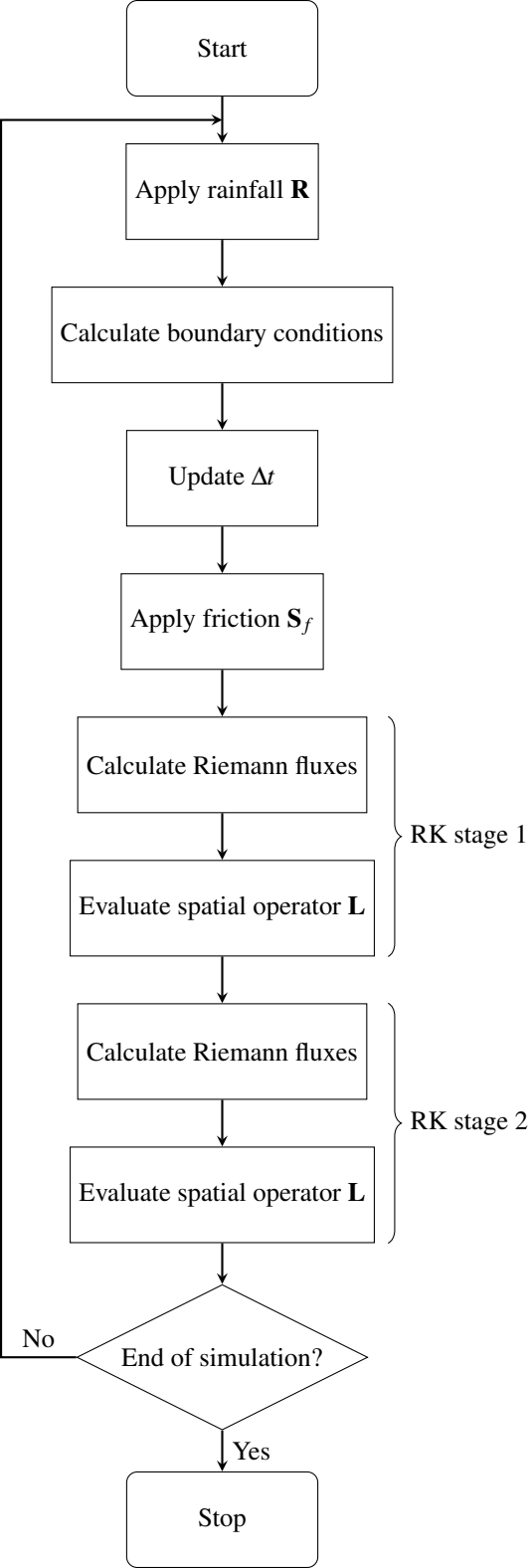
Start
Apply rainfall **R**
Calculate boundary conditions
Update Δt
Apply friction $\mathbf{S}_f$
Calculate Riemann fluxes
Evaluate spatial operator **L**
RK stage 1
Calculate Riemann fluxes
Evaluate spatial operator **L**
RK stage 2
End of simulation?
No
Yes
Stop