

Model runs

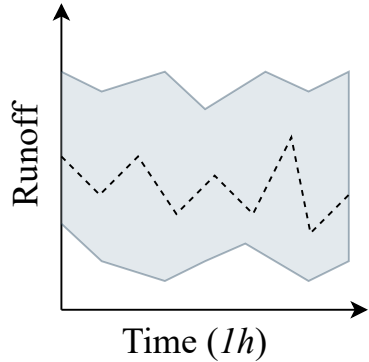
Illustration

Impact on streamflow metrics

Flux partitioning and parameters

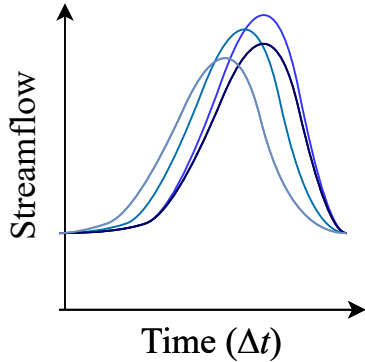
Flood frequency and flow duration curves

(a.1)

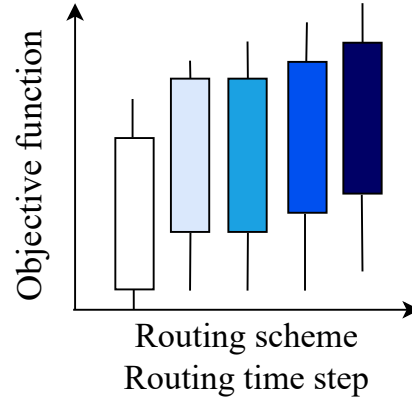


Hourly VIC simulations using a large sample of parameter sets.

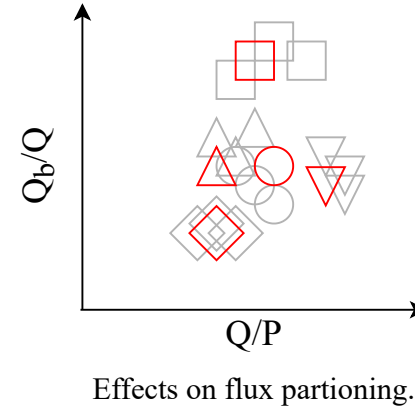
(b.1)



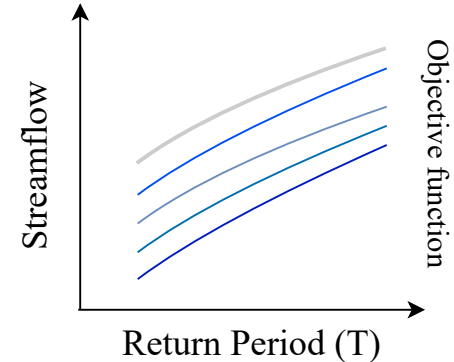
(c.1) Aggregated time step



(d.1) Routing time step

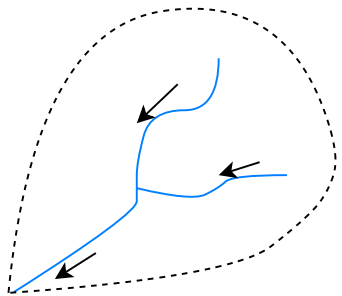


(e.1) Routing time step



Implications on frequency curves.

(a.2)



Generation of streamflow time series with different routing schemes and routing time steps.

(b.2)

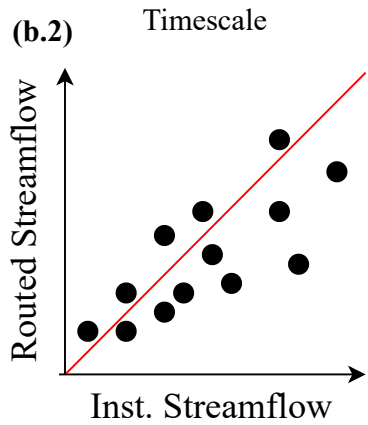
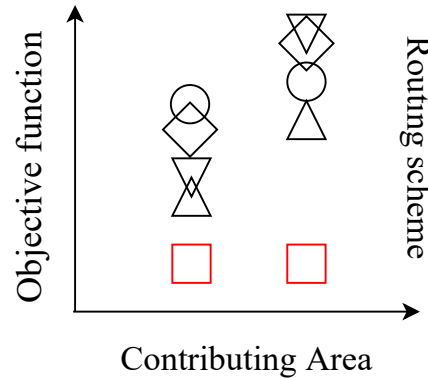


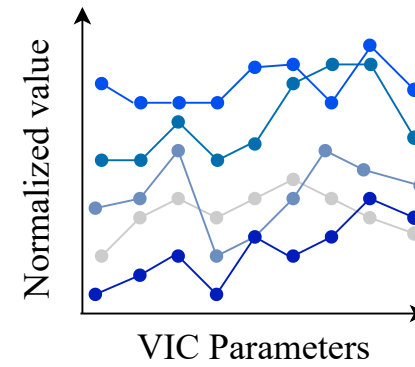
Illustration of routing effects.

(c.2) Routing time step



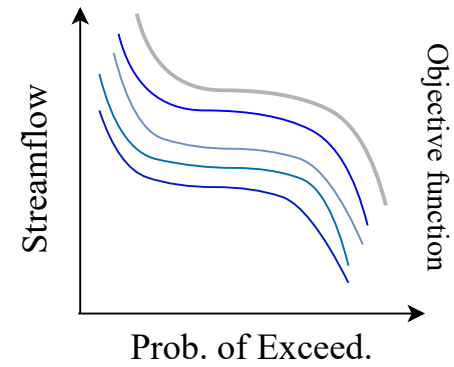
Impact of routing configuration on performance metrics.

(d.2) Routing time step



Effects on the choice of parameter values.

(e.2) Routing time step



Impacts on flow duration curves.