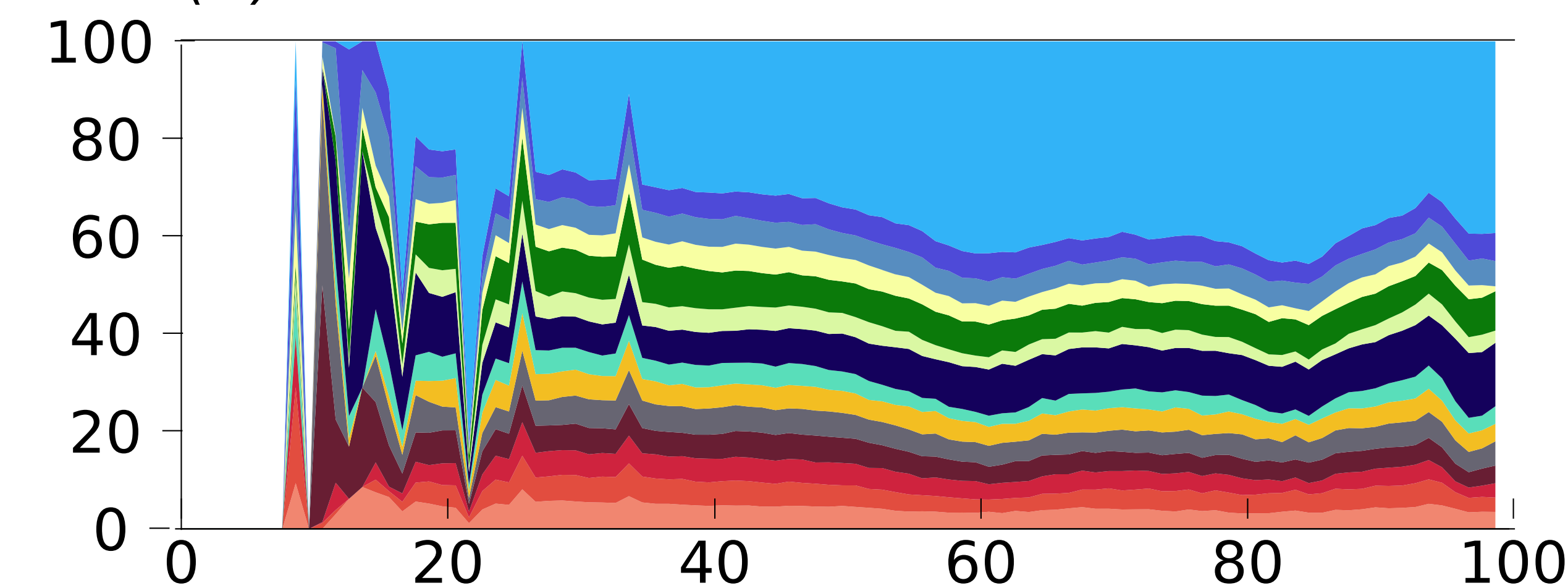


Senior-right irrigation user

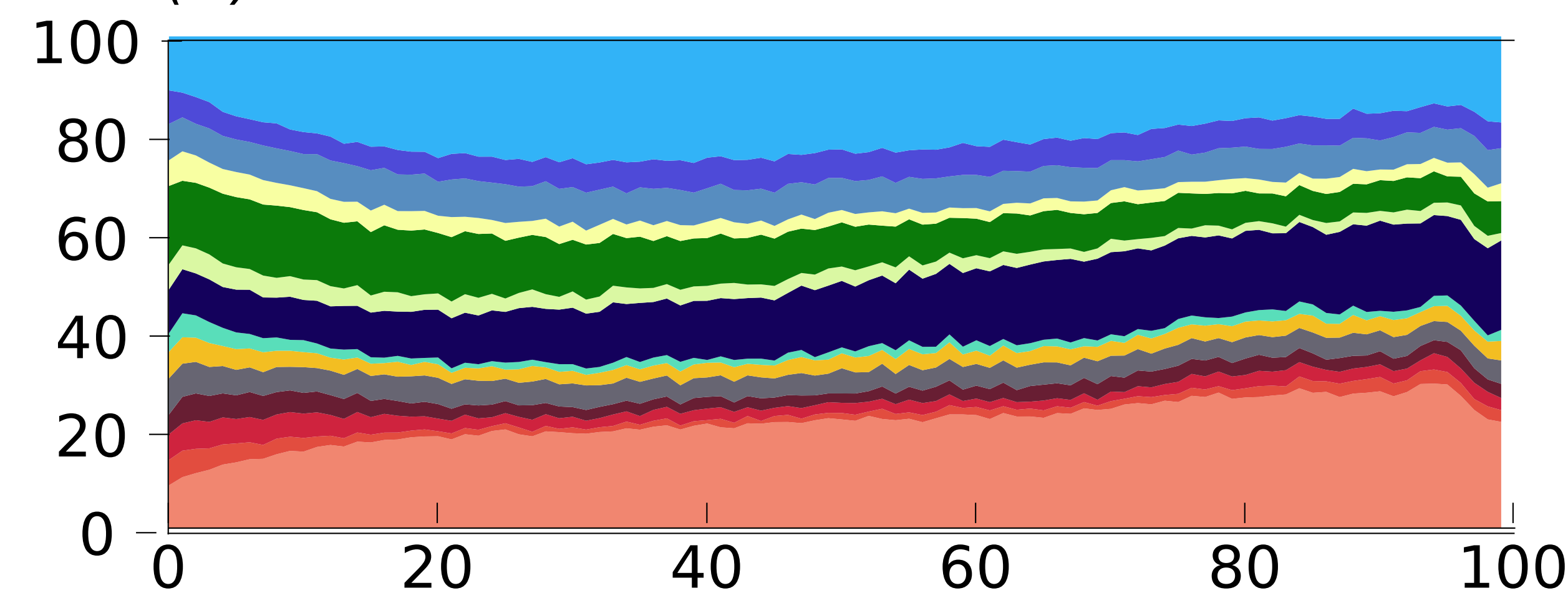
Median-right irrigation user

Junior-right irrigation user

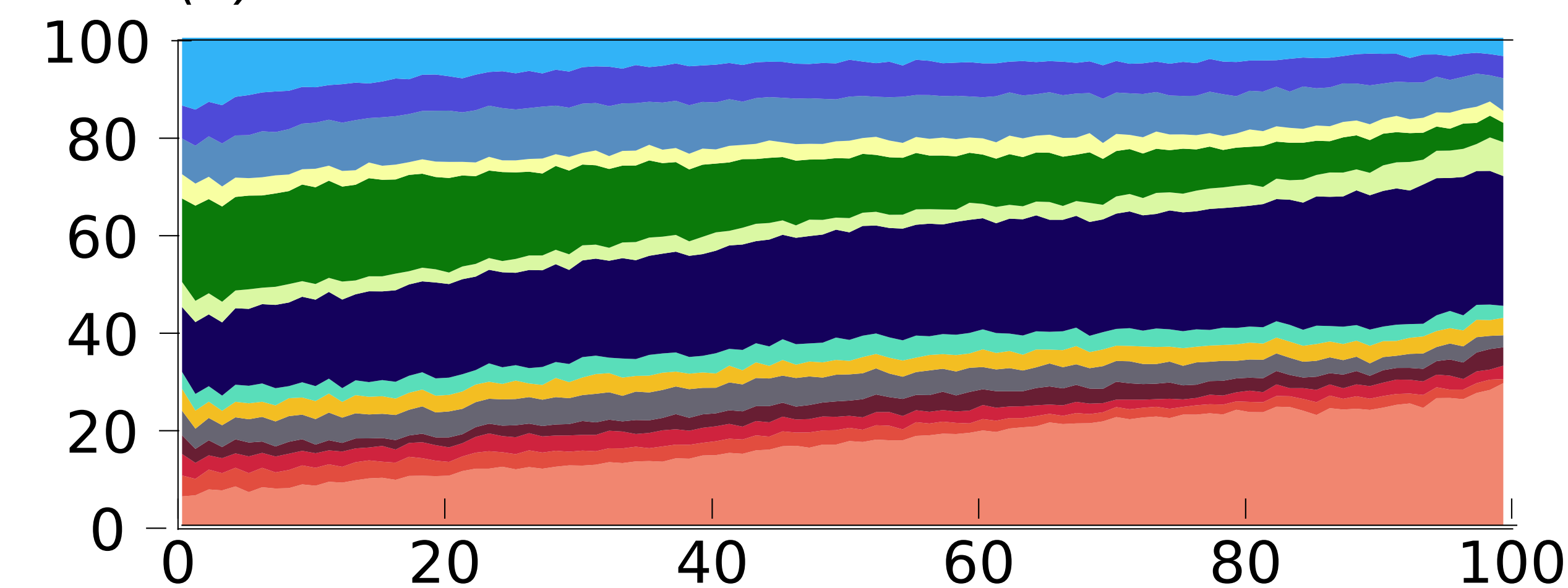
(a) *Delta indices*



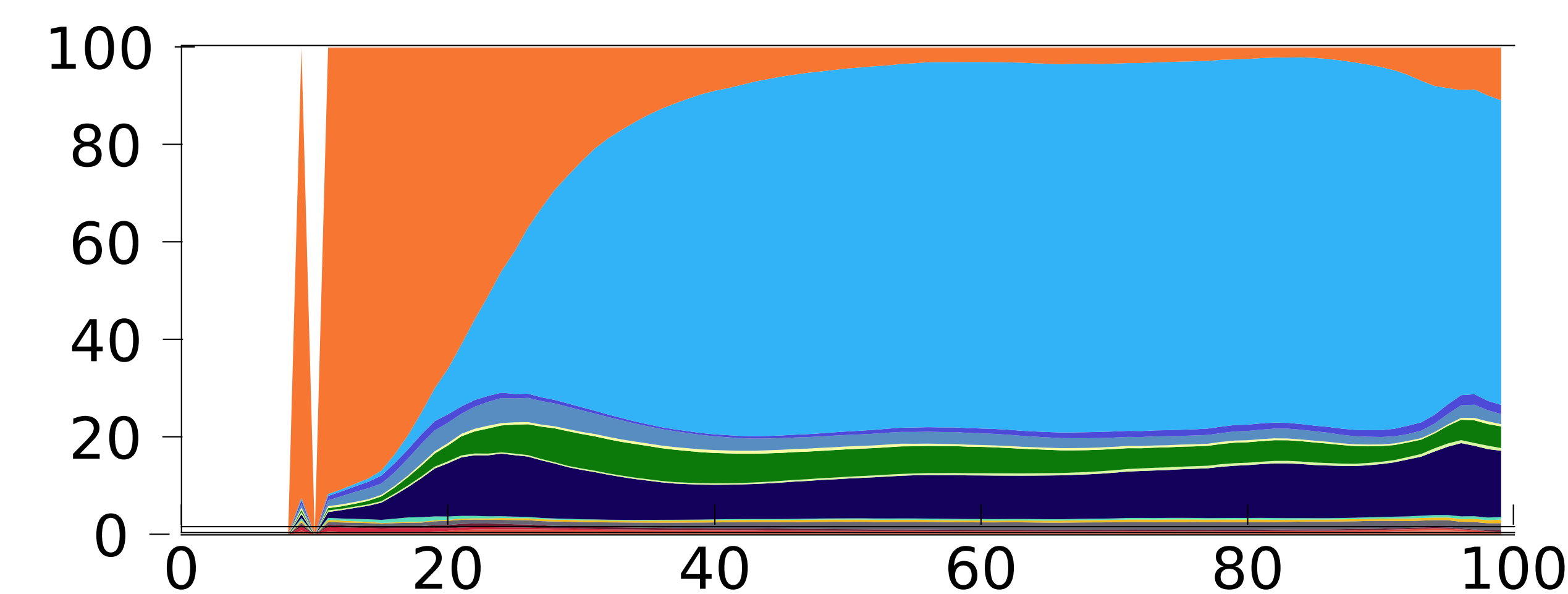
(b) *Delta indices*



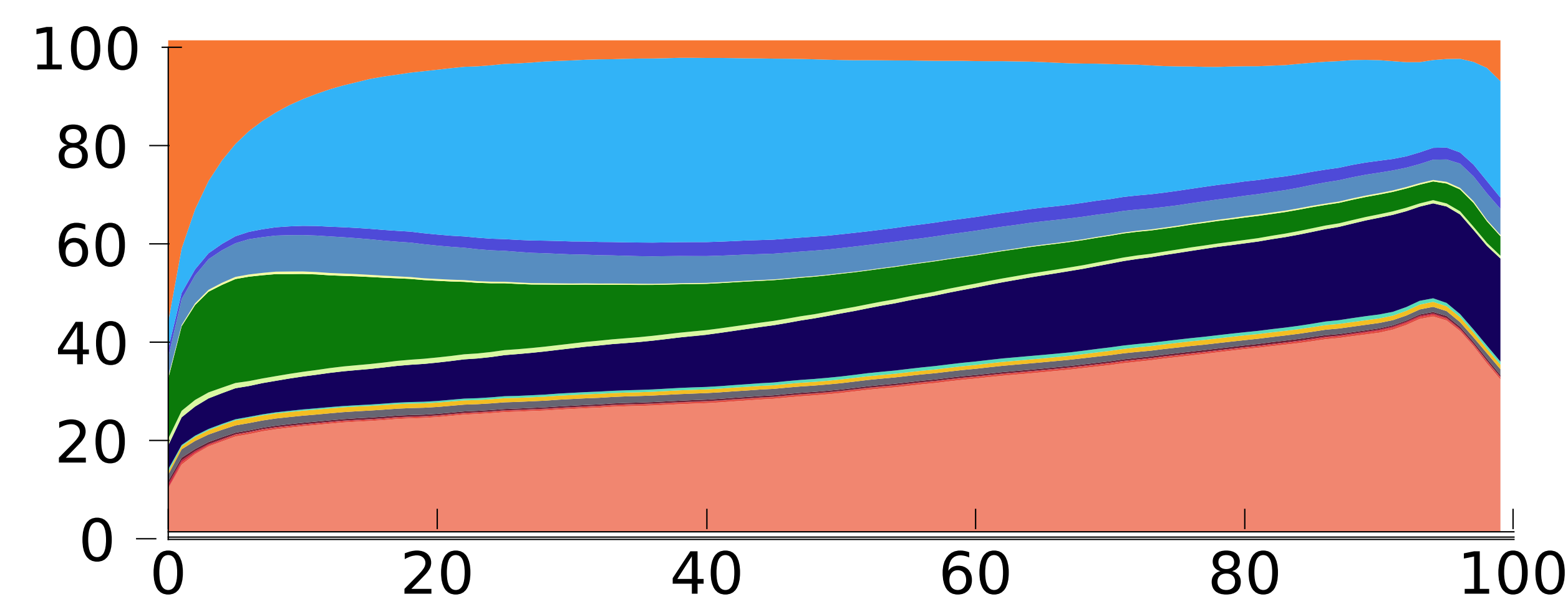
(c) *Delta indices*



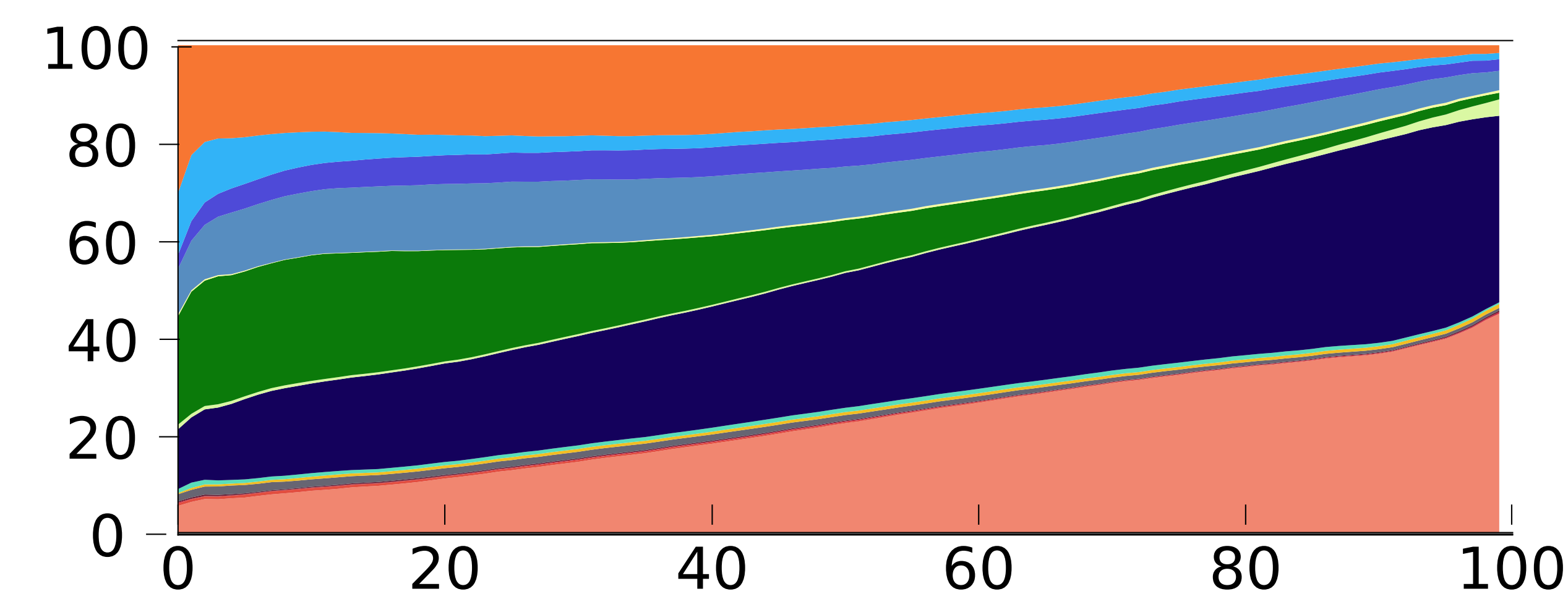
(d) *1st order Sobol indices*



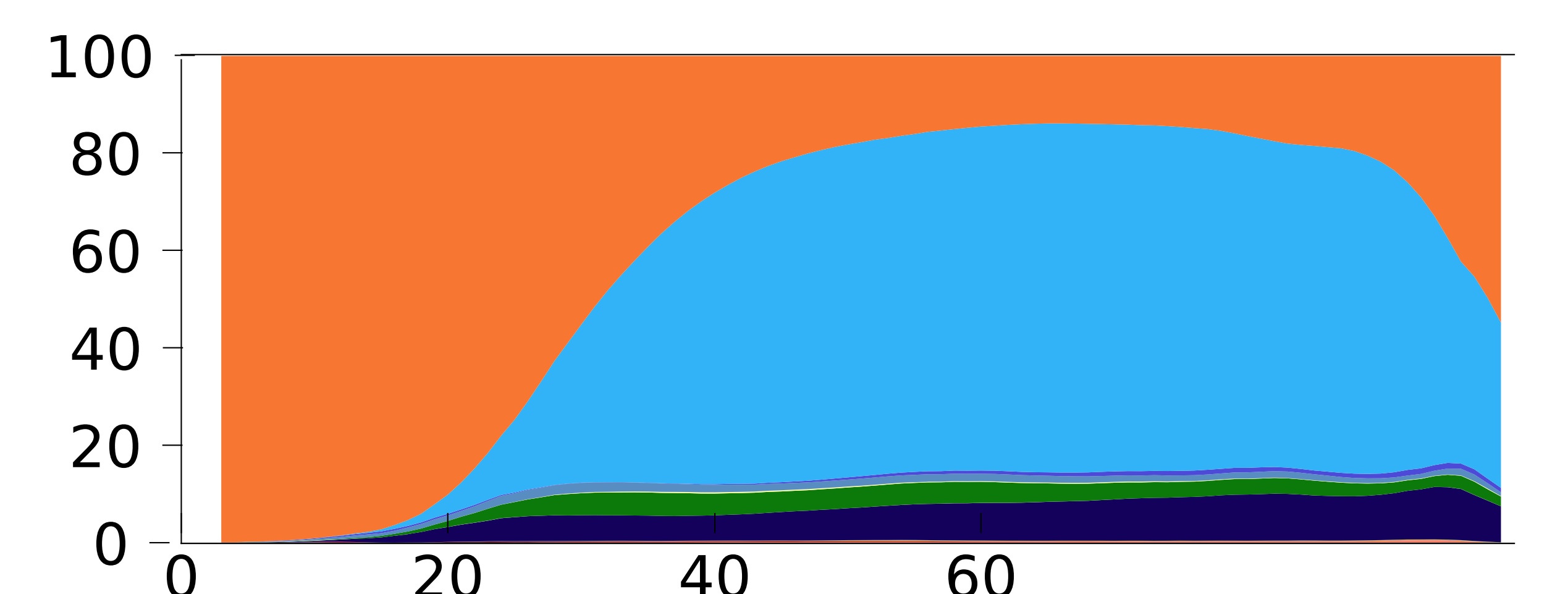
(e) *1st order Sobol indices*



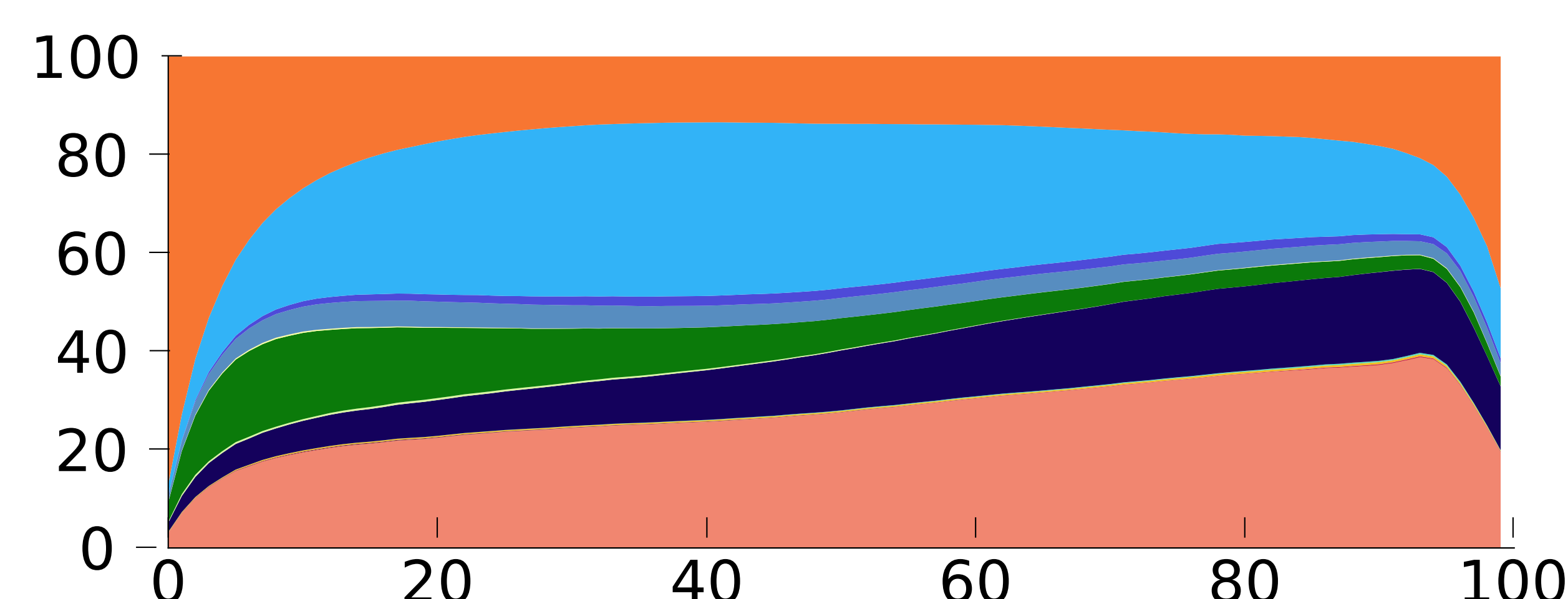
(f) *1st order Sobol indices*



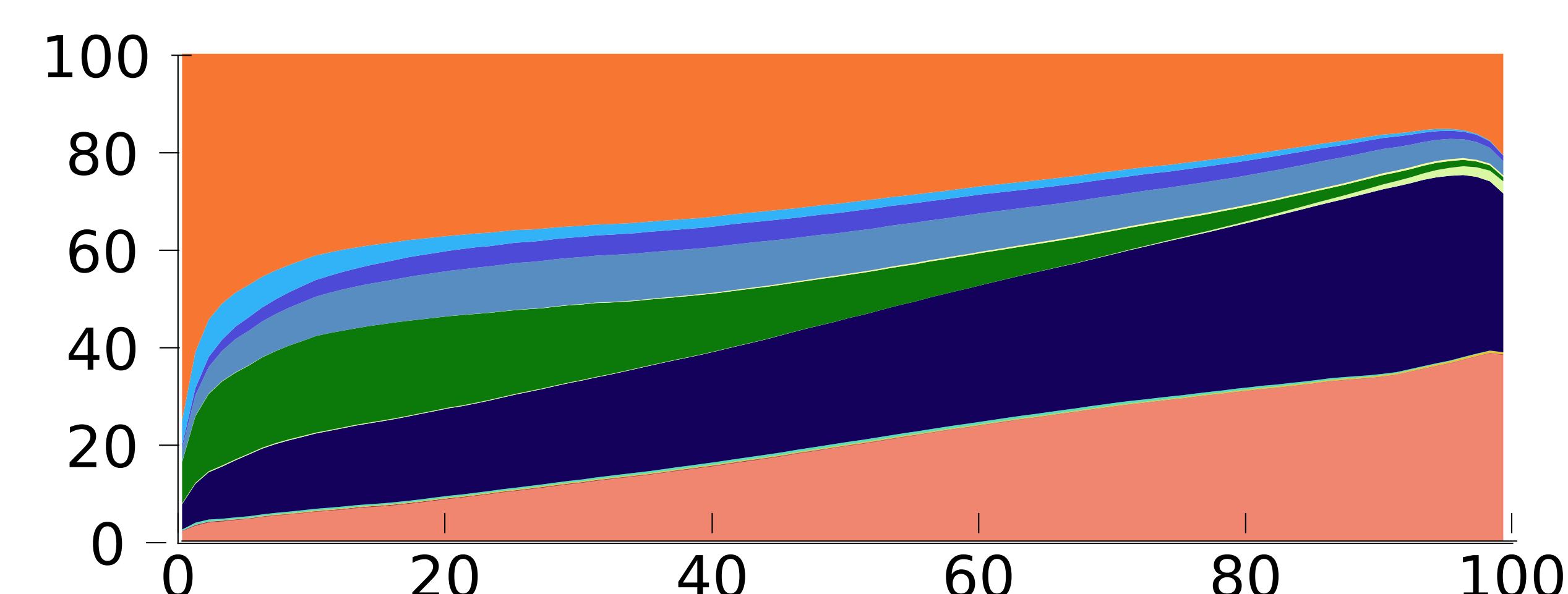
(g) *R² values*



(h) *R² values*



(i) *R² values*



Irrigation demand

Shoshone operational

Dry flow variance

Wet flow persistence

Reservoir loss

Environmental right seniority

Mean wet flow

Snowmelt timing

Transbasin demand

Evaporation

Wet flow variance

Wet flow variance

M&I demand

Mean dry flow

Dry flow persistence

Variance explained

Shortage magnitude percentile

Shortage magnitude percentile

Shortage magnitude percentile