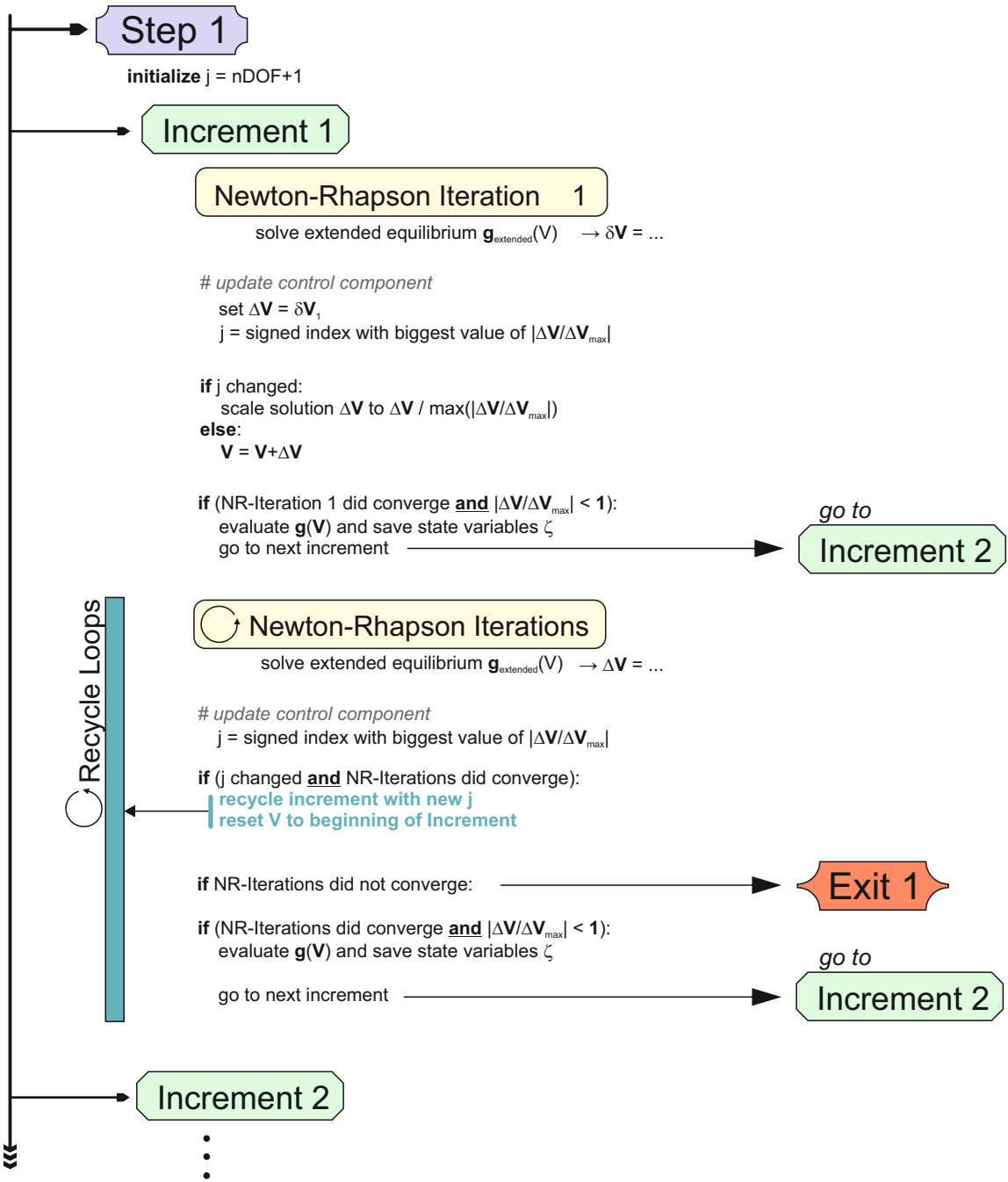
Step 1
initialize j = nDOF+1
Increment 1
Newton-Rhapson Iteration 1
solve extended equilibrium g_extended(V) → δV = ...
update control component
set ΔV = δV_1
j = signed index with biggest value of |ΔV/ΔV_max|
if j changed:
scale solution ΔV to ΔV / max(|ΔV/ΔV_max|)
else:
V = V+ΔV
if (NR-Iteration 1 did converge and |ΔV/ΔV_max| < 1):
evaluate g(V) and save state variables ζ
go to next increment
go to
Increment 2
Recycle Loops
Newton-Rhapson Iterations
solve extended equilibrium g_extended(V) → ΔV = ...
# update control component
j = signed index with biggest value of |ΔV/ΔV_max|
if (j changed and NR-Iterations did converge):
recycle increment with new j
reset V to beginning of Increment
if NR-Iterations did not converge:
Exit 1
if (NR-Iterations did converge and |ΔV/ΔV_max| < 1):
evaluate g(V) and save state variables ζ
go to next increment
go to
Increment 2
Increment 2