Initial values of design parameters (DV)

Run analysis file

Calculate equivalent unconstrained objective function ($f$)

Find DV direction vector (Negative of the gradient of $f$)

Calculate new values of DV (Golden-section algorithm)

Run analysis file

Convergence

YES
Stop

NO

Calculate new value of DV (Golden-section algorithm)

Calculate equivalent unconstrained objective function $f$

Find DV direction vector (Polak-Ribiere recursion formula)

Optimal solution