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Finding equilibrium paths by minimizing external work in dynamic relaxation method

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Highlights

- A new procedure for calculating the load factor is suggested.
- To reach the goal, the work increment of the external loads is minimized.
- The newly obtained load factor is only dependent on the fictitious parameters of the DR strategy.
- To show the robustness of this formulation, it is used in the geometric nonlinear analysis of various structures.
- The authors' technique is accurate and has more rapid convergence rate, in comparison to the similar algorithms.

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