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Dynamic buckling of magnetorheological fluid integrated by visco-piezo-GPL reinforced plates

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Highlights

- **Dynamic buckling of MR fluid integrated by piezoelectric layers is studied.**
- **The facesheets are reinforced by non-uniform graphene platelets.**
- **The nanocomposite facesheets are exposed to 3D electric field.**
- **The structural damping of the piezoelectric layers is considered.**
- **Differential cubature method is used for calculating the dynamic instability region.**

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