

PERIDYNAMIC MODELING ON WAVE PROPAGATION AND DISPERSION CURVES - ANALYTICAL STUDY

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This talk will discuss the application of peridynamics on wave propagation problems. 1D wave propagation in an elastic bar and 2D and 3D wave propagation in an infinite body are considered. The difference between the standard formulation and the peridynamic formulation will be examined. The talk will be primarily focused on analytical results. Most of the results are taken from [1], and some of the results are compared to those in [2] and [3].

REFERENCES

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