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Kinematic and Dynamic Analysis of the Gantry-tau, a 3-DoF Translational Parallel Manipulator

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## Highlights

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- A closed-from mathematical model for dynamics of the Gantry-tau is derived.
- Kinematics of the Gantry-tau is formulated and singular conditions are discussed.
- Simulation studies are carried out to assess the performance of the proposed models.

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