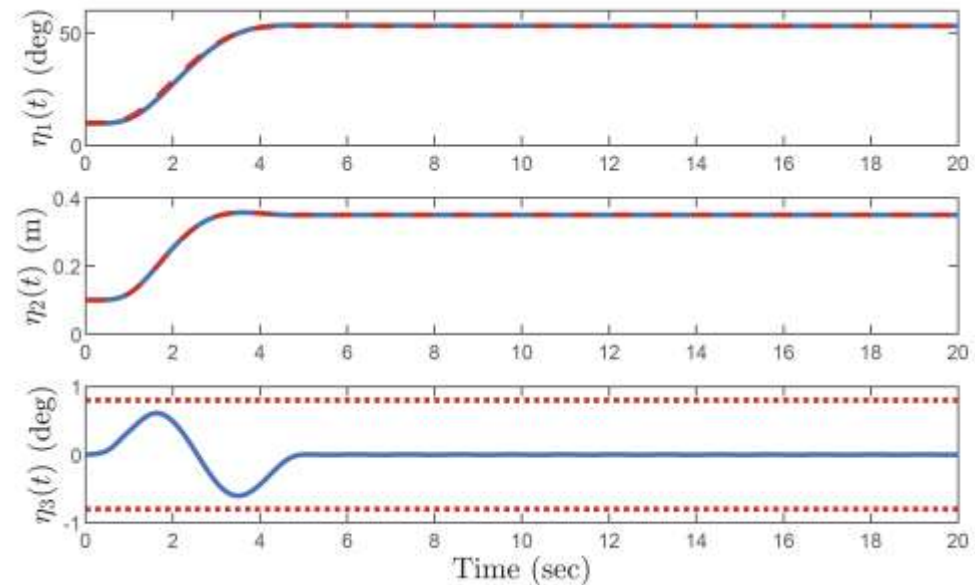


A Time Optimal Trajectory Planning Method for Offshore Cranes With Ship Roll Perturbations

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- A time optimal trajectory planning method is proposed for offshore cranes.
- Differential flatness property is utilized to better tackle the system couplings.
- Different kinds of physical constraints are successfully considered.



Simulation results for the proposed optimal trajectory planning method.