

A Novel Dynamics Equation of Elastic Rotation Shaft Possessing Twin Side Based on the Theory of Relativity

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Abstract: A novel dynamics equation of elastic rotation shaft possessing twin side based on the theory of relativity is built in this paper. The equation is established in different coordinate systems, which can provide the foundation theoretically and methods for the similarity engineering and the similarity calibration of instruments used for measuring, observing, and controlling.

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Key words: theory of relativity, elastic rotation shaft possessing twin side, dynamics equation, relative dynamics equation

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