Abstract

This paper features the dynamic modelling of a indigenously developed 3-axis SCARA robot arm which is used for doing successful robotic manipulation task in the laboratory. A 3- axis stationary robotic arm was developed in the laboratory. For this robotic system, a in-depth dynamic model of the system was carried out to study the dynamics of the designed and fabricated system. The dynamic concept was also implemented on the designed robot successfully.
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Dynamics of compliant vertical axis robots

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Index Terms

Computer Science

Computational Intelligence

Keywords

SCARA Dynamic model Jacobean Euler- Lagrange