Abstract

Point to Point ILC involves the tracking of specific points during motion in a repetitive manner. Point to point ILC makes the assumption that initial starting position of each trial remains same. In this paper, initial starting position of point to point motion in each trial is learned using neural networks. The proposed algorithm can also track the points which are changing in respective trials. The algorithm is checked for three points tracking during a trial, which are changing in sinusoidal manner. The results are shown by simulations in the end.

References


Index Terms

Computer Science  Networks

Keywords

Point to Point Iterative learning control, Adaptive ILC, Iterative Learning control