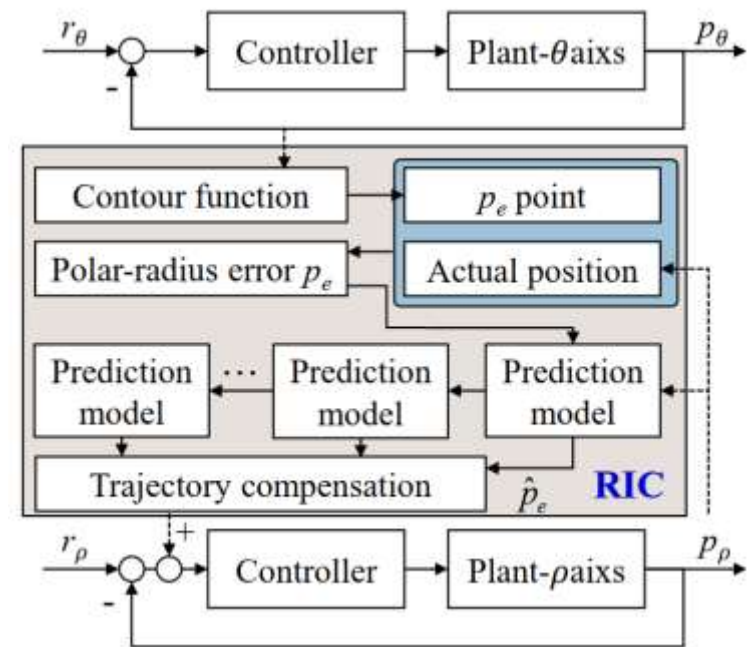# Precision RIC Contouring Control Method for Polar Coordinate Motion Systems

Ze Wang, Ran Zhou, Chuxiong Hu and Yu Zhu
Department of Mechanical Engineering, Tsinghua University, China

- RIC contouring control method has been proposed for two-axis motion systems.

- Contouring performance has been redefined by polar radius error to facilitate algorithm implementation.

- Comparative experiments with different error definition and control modes have been carried out.

Block diagram of the proposed RIC scheme