Feature-based CNC Programming Environment on the Internet

Dan Wu, Zhiyang Yao, and Linda C. Schmidt
Department of Mechanical Engineering
University of Maryland
College Park, Maryland, 20742-3035 USA

ABSTRACT

Effective global manufacturing enterprises require internet-based tools and technologies to virtually integrate the efforts of customers, designers, and manufacturers who work in separate office buildings or on separate continents. We present the framework for an internet-accessible, feature-based, CNC programming environment. The environment empowers users from different geographical sites to control CNC machining processes via real-time simulations, remote access, and remote manipulation. We have implemented an internet-based prototype system for simulating simple turning operations.

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