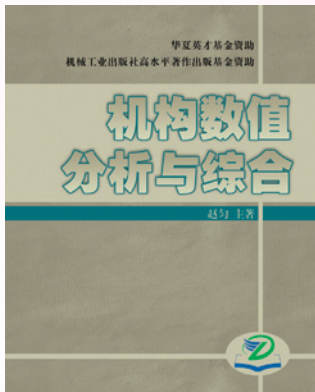


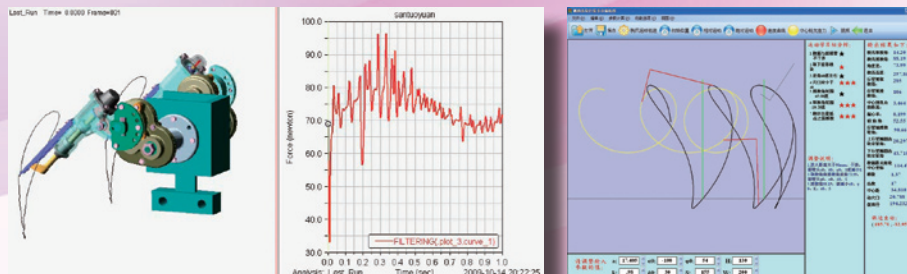
Research Team of Agricultural Mechanization Engineering of Zhejiang Sci-Tech University



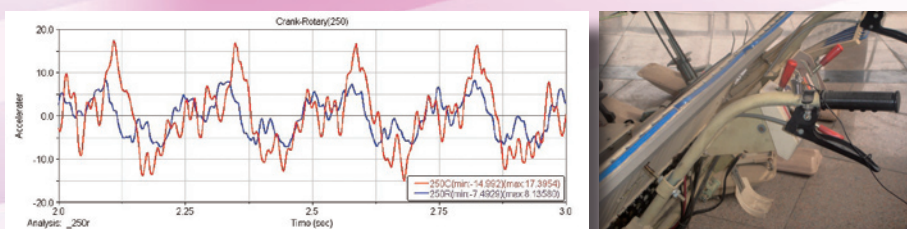
"Numerical Analysis and Synthesis of Mechanisms", 2000, published by China Machine Press, won the first prize of the education, science and technology of Zhejiang Province in 2007.



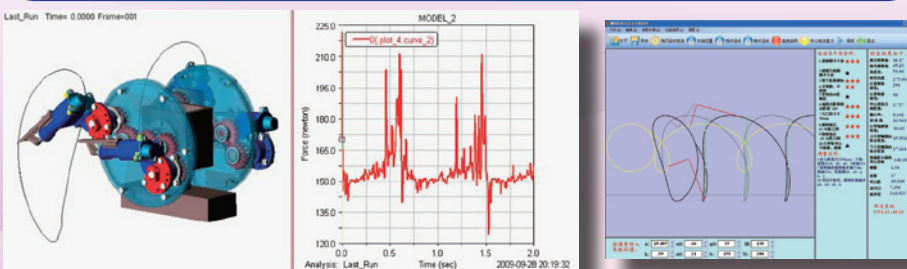
"Analysis and Synthesis of Agricultural Machinery Theories", 2008, published by China Machine Press, won the first prize of excellent book of China Machine Press in 2009.



One of the rotary transplanting mechanism on the walking-type rice transplanter, optimization and virtual test, testing software.



Comparison of dynamic testing results between the rotary transplanting mechanism and the transplanting mechanism with crank-rocker on the walking-type rice transplanter



One of the rotary transplanting mechanism on the riding-type rice transplanter, optimization and virtual test, testing software.

Professor Zhao Yun, who was transferred from Zhejiang University to serve as the President of Zhejiang Sci-Tech University (former Zhejiang Institute of Science and Technology) in 1999, established the research team of agricultural mechanization engineering, which was engaged in the agricultural mechanical design and theoretical analysis, mechanical dynamics and optimization research. Under the guidance of Professor Zhao Yun, a strong research team of agricultural machinery has been formed gradually. This research team consists of 5 professors (including 3 doctoral tutors) and 5 associate professors as the key members. Prof. Li Ge is the Director of the Functional Laboratory of the Facilities and Equipments of National Rice Industry Technology R&D Center. Prof. Chen Jianneng, Wu Chuanyu and Yu Gaohong are nominated in New Century "151 Talented Person Project" of Zhejiang Province. And Prof. Li Ge is the Young and Middle-aged Academic Leaders of Zhejiang Province.

In recent years, this research team has undertaken 8 projects of National Natural Science Foundation of China, 1 special prophase research of 973 Project, 1 National Technology Support Key Program of the "11th Five-Year" Plan, 1 provincial significant special project, 1 provincial significant bidding project, 2 provincial Natural Science Foundation Key Projects and several major and general projects of the Science and Technology Department. 10 patents have been declared and several of them have been transferred to 4 enterprises. The total research funds have reached 23.65 million.

The Research Orientation of this team covers mechanism innovation, analysis and syntheses; Technology and application of agricultural robots; Technology of intelligent agricultural equipment; Digital design technology of agricultural machinery; Dynamic simulation and optimization of mechanical systems; Optimization design of machineries, etc.