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- STROJARSTVO
- BRODOGRADNJA
- ELEKTROTEHNIKA
- RAČUNARSTVO



# Studij strojarstva

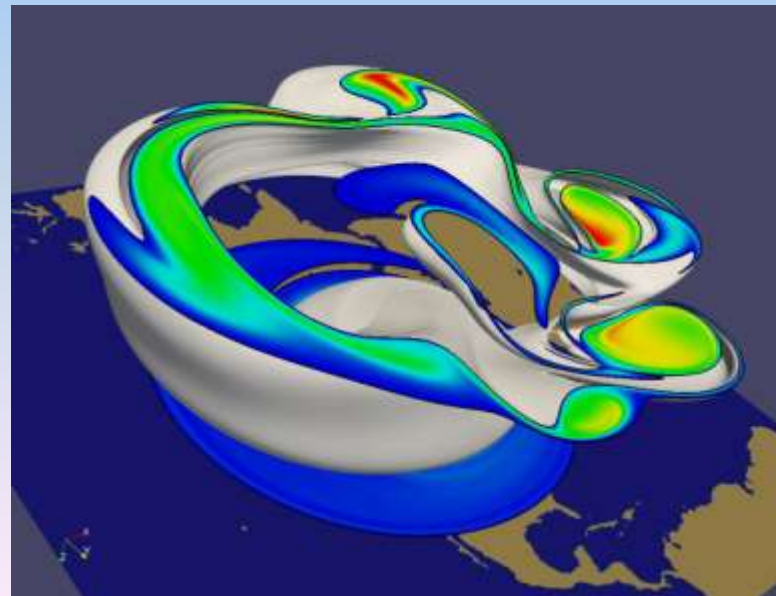
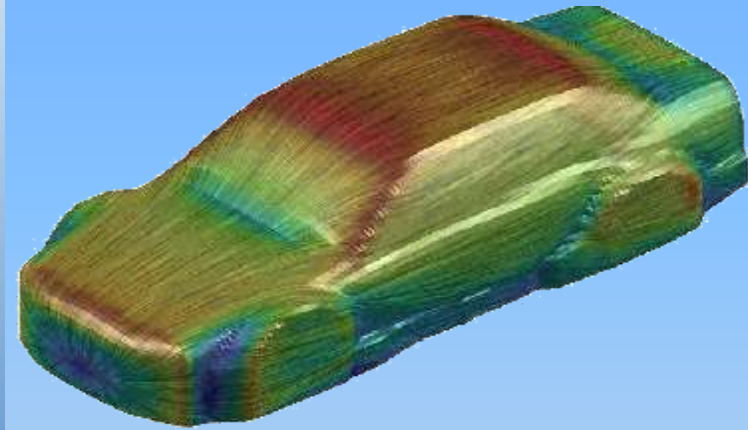
# Iznimno široko područje primjene





# Konkretnije?

- Geofizika
- Biokemija
- Medicina
- Meteorologija
- Robotika
- Ekologija
- Energetika
- Produkcija
- Ekonomija

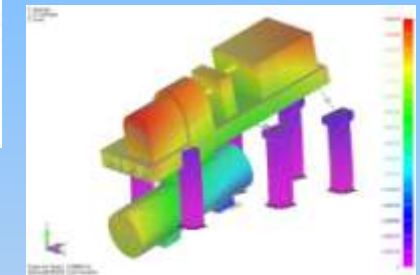
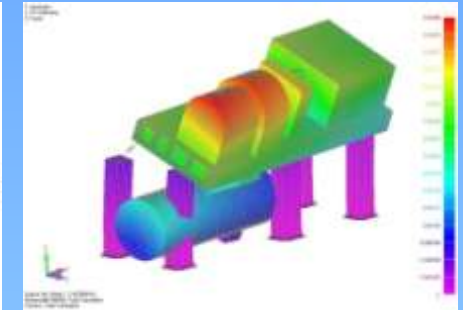
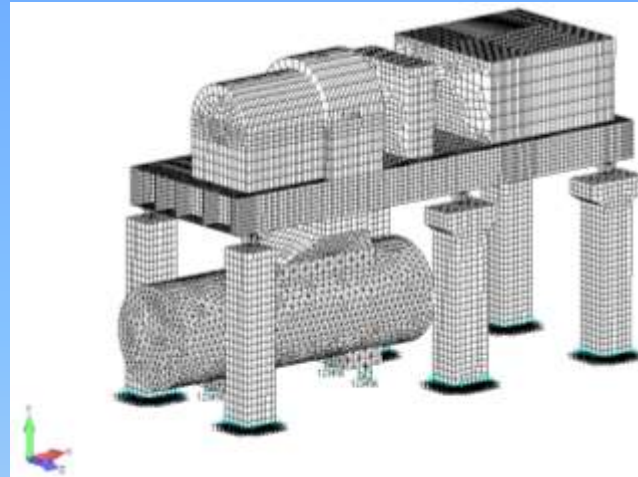
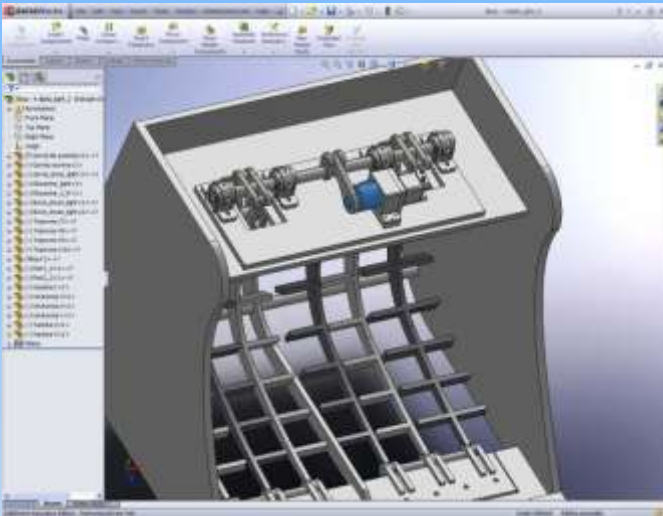


# Mehanika konstrukcija i vibracije

▪ Software SolidWorks / Simulink-SimMechanics

▪ APLIKACIJE

▪ Proračuni kinematike i dinamike mehanizama



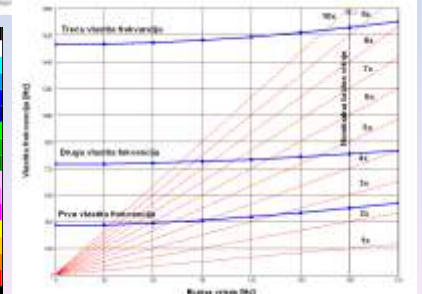
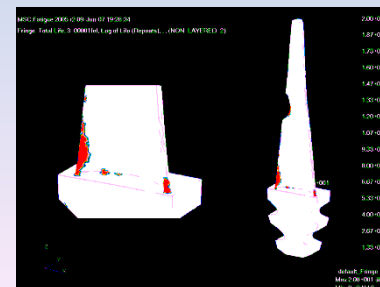
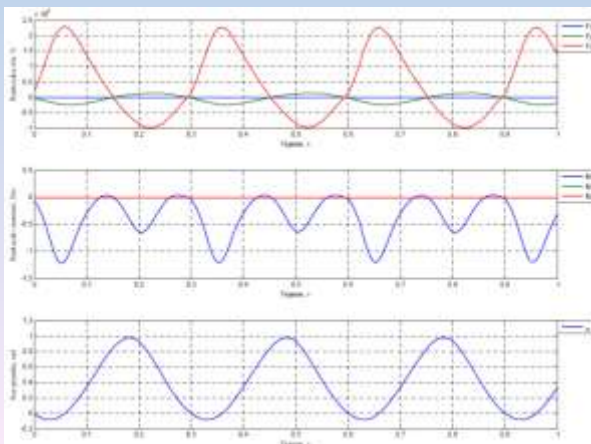
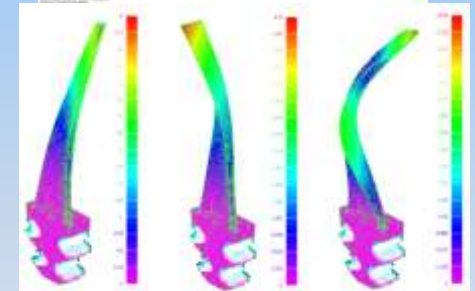
▪ Software MSC.Nastran for Windows

▪ APLIKACIJE

▪ Proračuni vlastitih frekvencija i formi vibriranja, Campellovi dijagrami

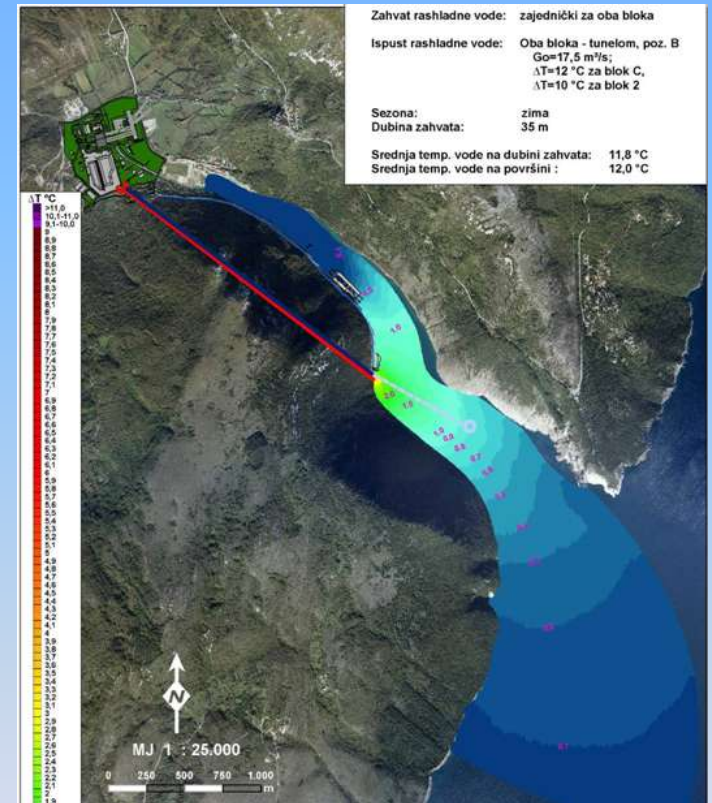
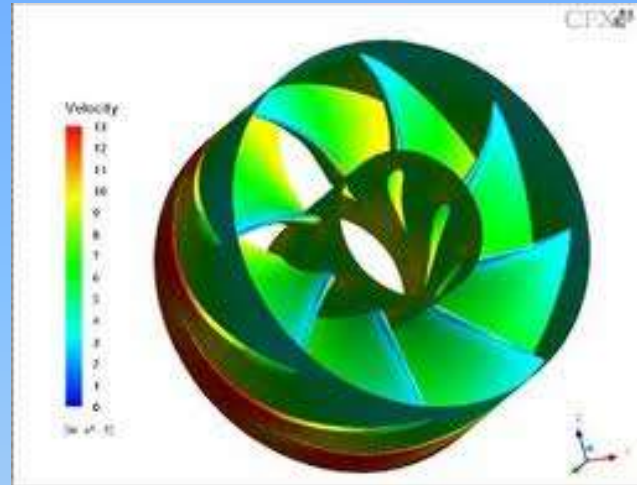
▪ odziv na prisilnu uzbuđu

▪ Proračun vijeka trajanja (niskociklički i visokociklički zamor)



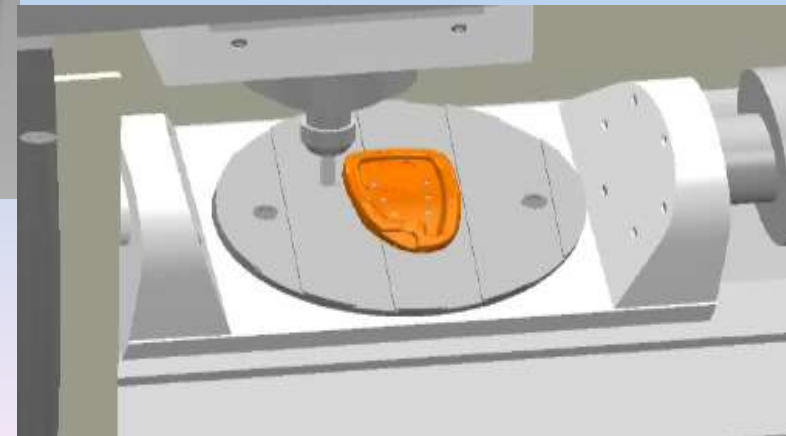
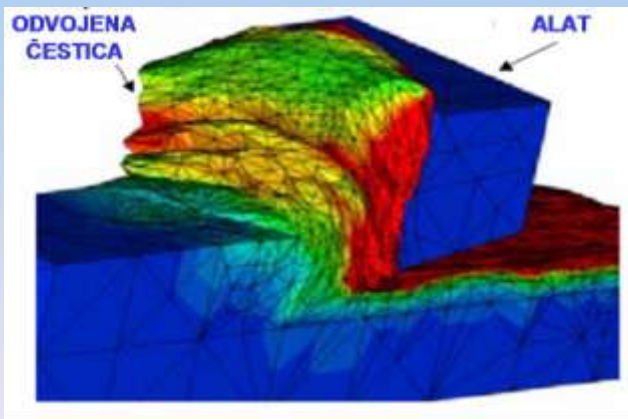


# Računalno inženjerstvo mehanika fluida, hidraulički strojevi



# Automatizacija, obradni strojevi, upravljanje proizvodnjom, mjerenje

- Fleksibilni i inteligentni sustavi
- Automatizacija
- Proizvodni strojevi, alati i naprave
- CNC/NC obradni strojevi
- Industrijska robotika
- Primjena umjetne inteligencije

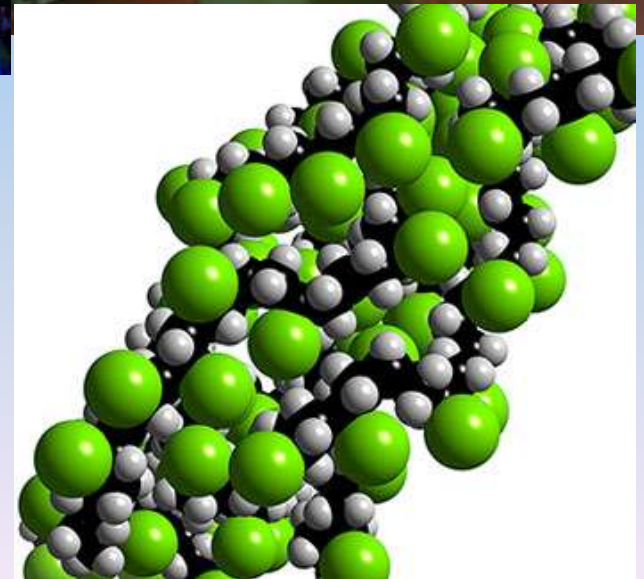




# Ispitivanje materijala

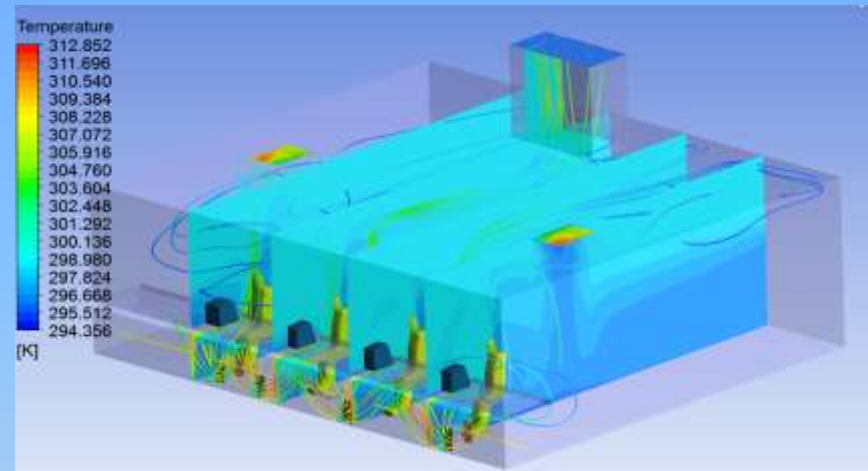
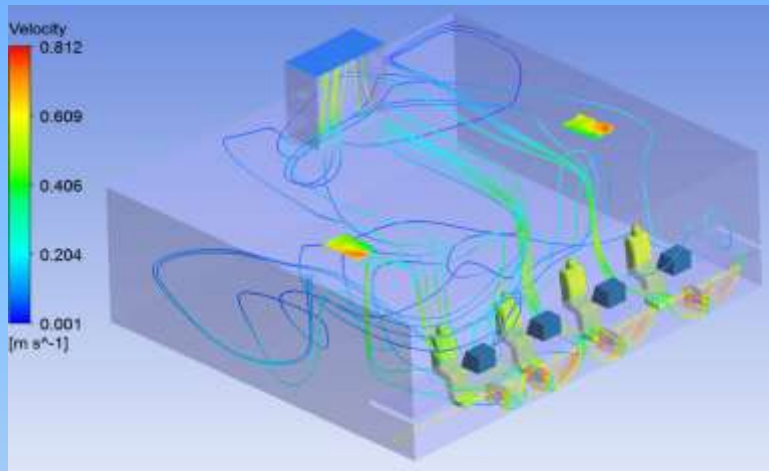
## Ispitivanje materijala sa i bez razaranja

- Statički vlačni pokus
- Ispitivanje tvrdoće
- Ispitivanje udarne radnje loma
- Ultrazvučna ispitivanja
- Ispitivanje kemijskog sastava





# TERMODINAMIKA, ENERGETIKA, MOTORI



# STUDENTSKI RADOVI NATJECANJA I PRAKSA



RITeH Racing team  
Silverstone 2008

Nagrađena studentska  
“umotvorina”

