

Virtual.PYXIS

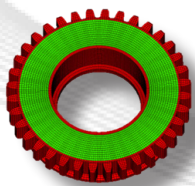
optimization

The topology optimization software you need

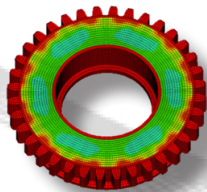
Success Case

Gear

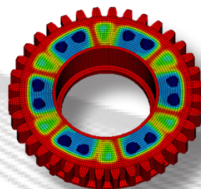
- ▶ *Validation according to C3 requirements (gear engagement)*
- ▶ *Static analysis using Ansys Workbench environment*
- ▶ *Analysis using polymer as a base material*
- ▶ *Pattern design with rotational symmetry and extrusion*
- ▶ *Objective: weight reduction, 35% compared to the baseline model*



Original



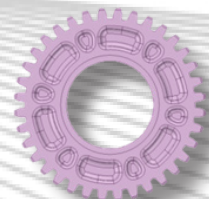
Iteration 3



Iteration 14



Iteration 30



Final Model

Weight reduction = 35%

Courtesy:

