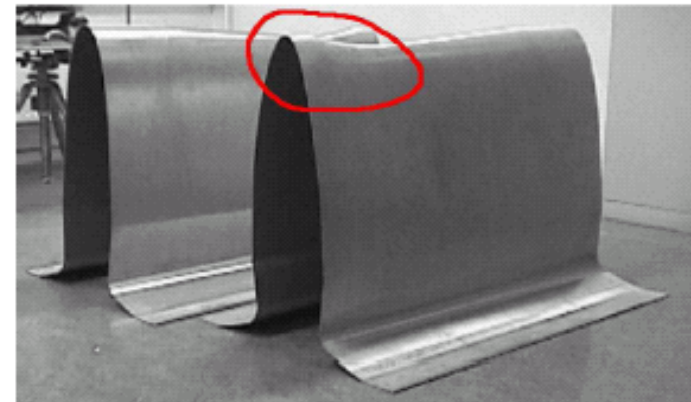


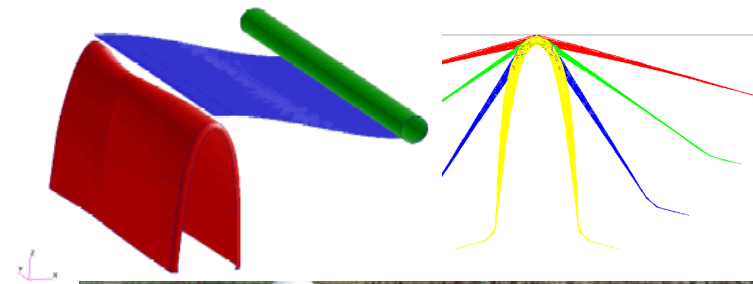
Objective

Replace trial and error based production technology of complex shaped saddle skins, like part of the was or tail to fuselage fairings, by advanced methods to obtain the correct product en related tooling



Research topics

Finite element technology related to accurate contact mechanisms and inclusion of correct material models



Industrial benefits

- Reduction of the number of forming steps from 9 to 6
- Reduction manufacturing time 50%
- Scrap from 50% to 10 %



Stretch forming - Fokker