

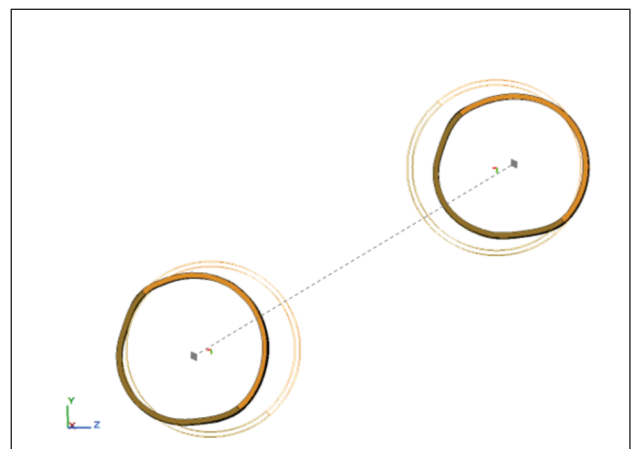
AUDI: Calculation of rod elongation through Bore Distortion Analysis

Challenge

- Organize the calculation of the rod elongation through an easy and repeatable procedure.

Approach

- Deploy META post-processor.
- For each bolt connection its connectivity is also detected, based on parts with openings in its vicinity.
- Use integrated META Bore Distortion Analysis toolbar.
- Exploit its capability of bore distortion polar plots calculation and creation, from single Fourier orders.



Results

- The procedure is simple and realized from a single tool.
- There is visual validation of the input data and the results.
- There is no need any more for special nodes numbering or moving data between different software.

"The deployment of META for Bore Distortion Analysis significantly reduced the time required for our analysis procedures as it offers an automated, simplified and integrated environment."

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