



HEXAGON

**Displacement Analysis:
*“Nominal-actual-
comparison 2.0”***

Jan Gräser, Volume Graphics, 17.11.2022



**3D METROLOGY
CONFERENCE**

Who we are



VOLUME GRAPHICS

part of Hexagon

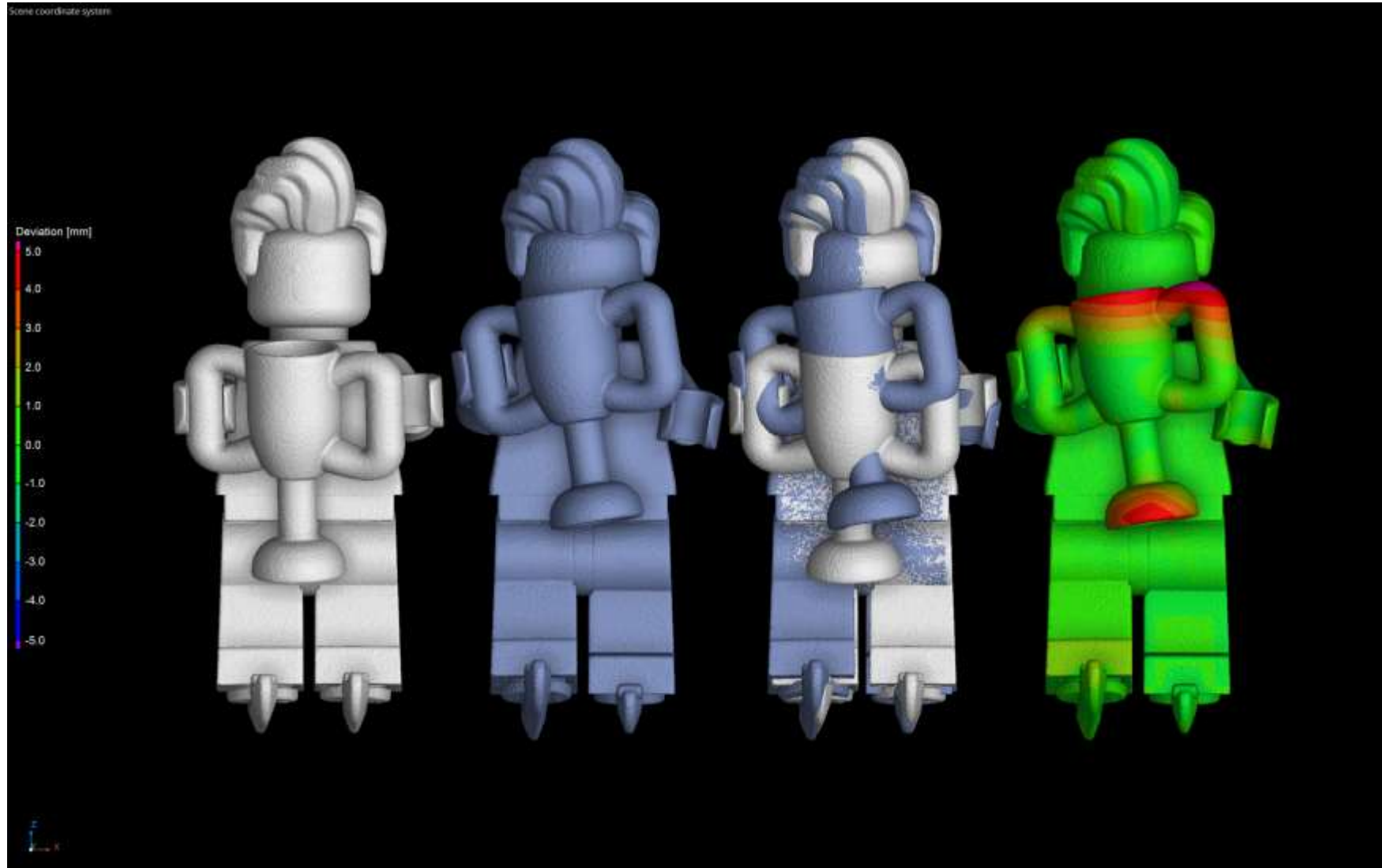


25 Years of Insights

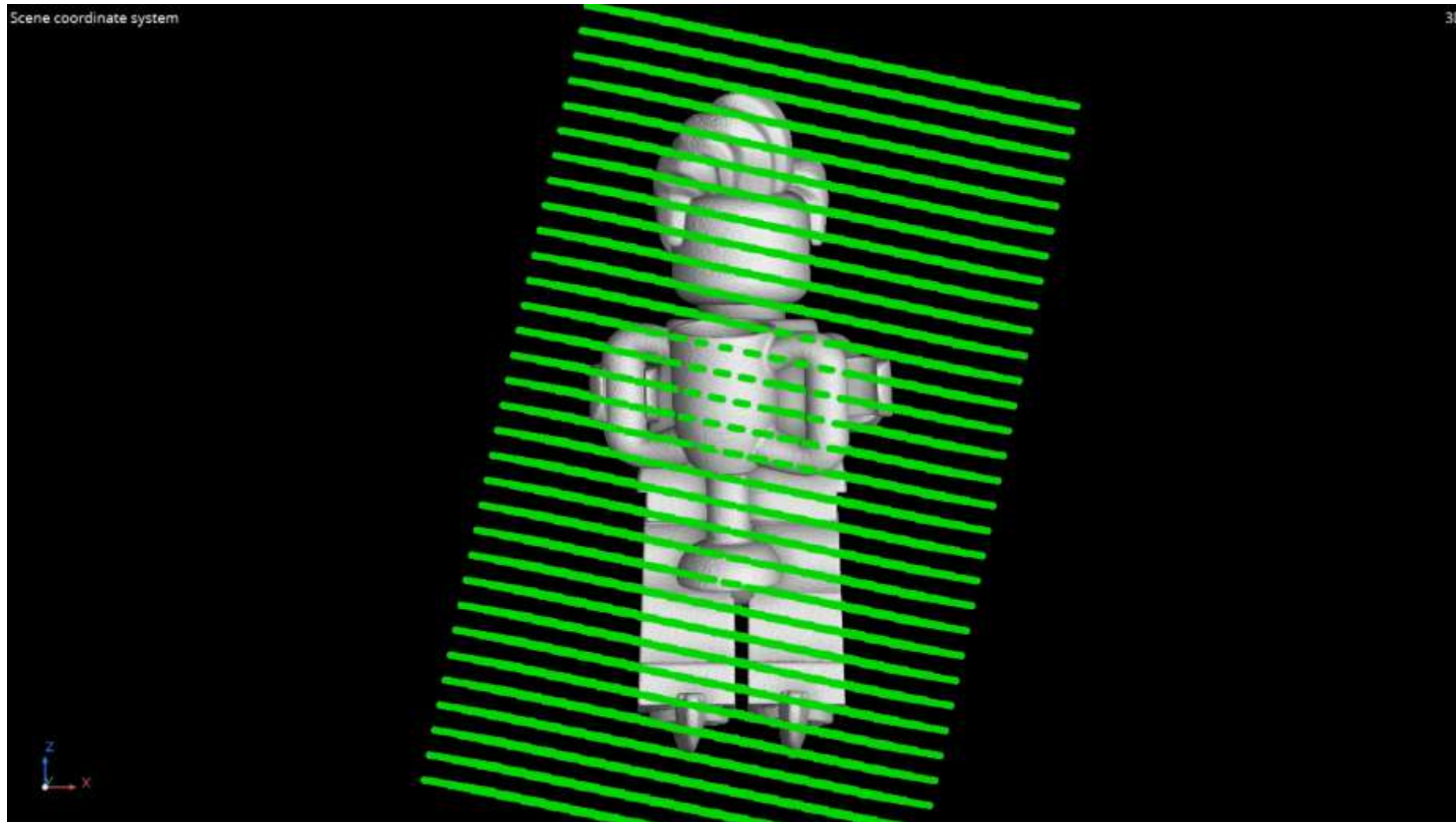
Problem: Limits of nominal-actual-comparisons



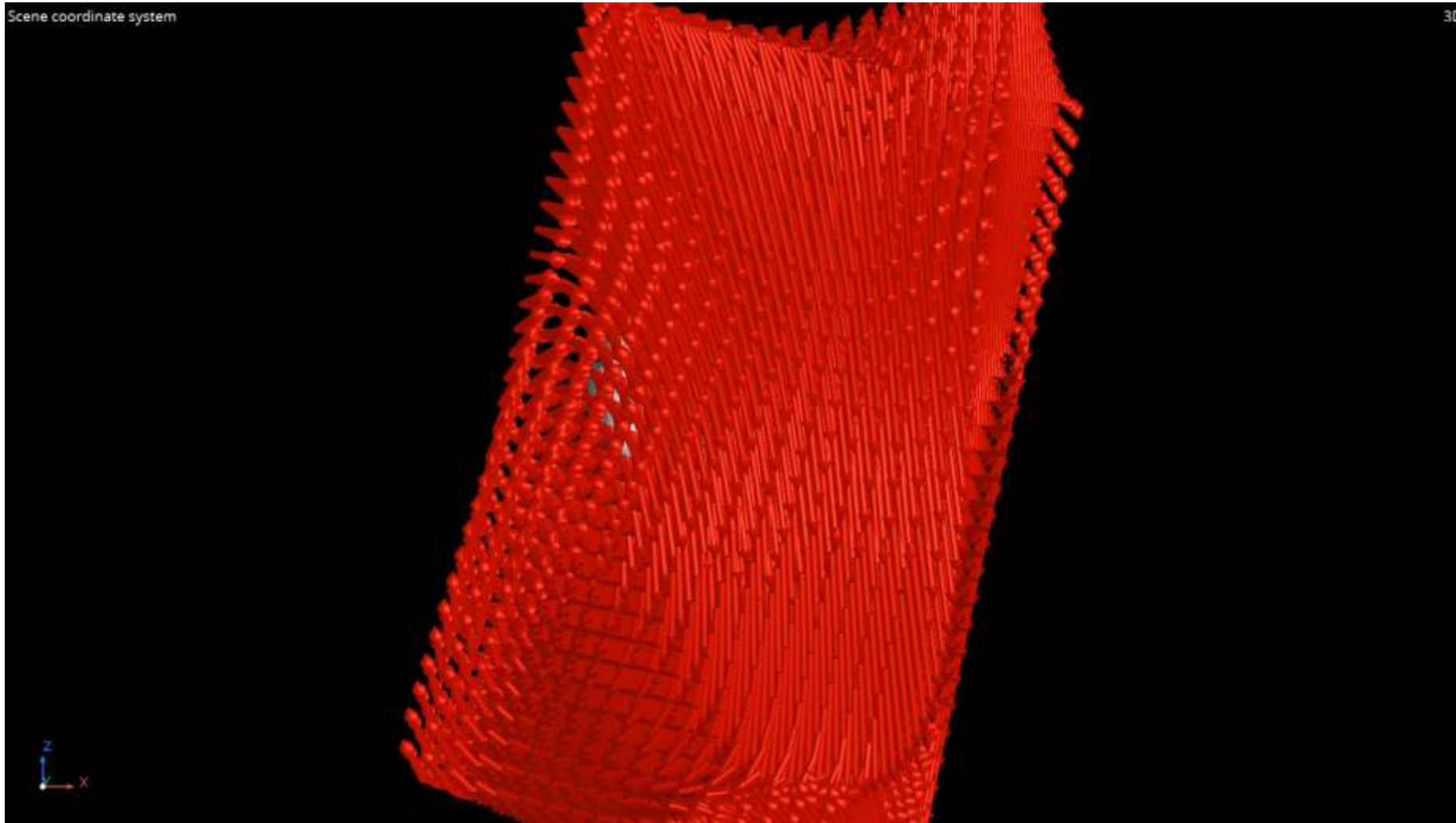
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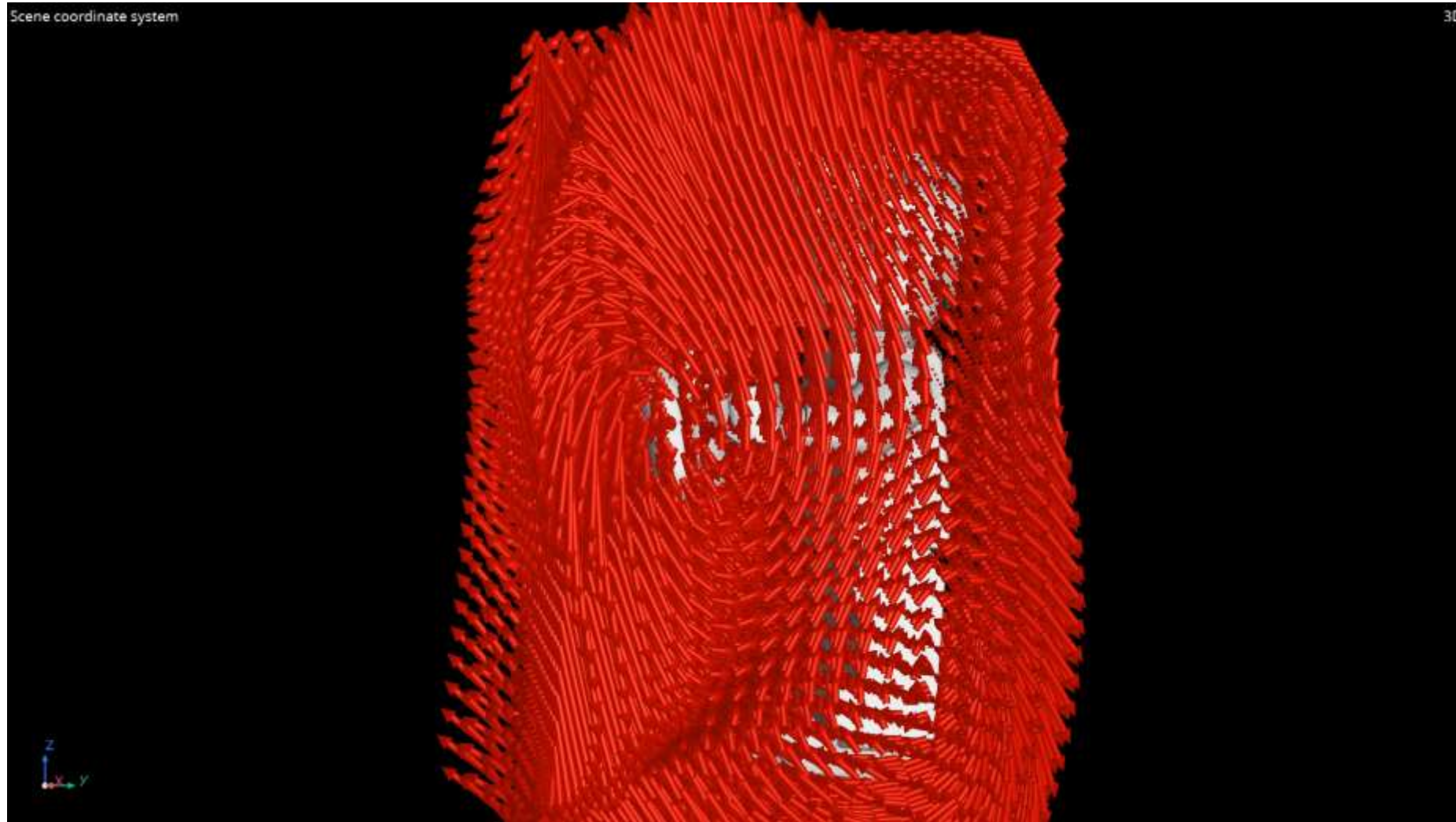
Solution: Use Displacement Analysis instead!



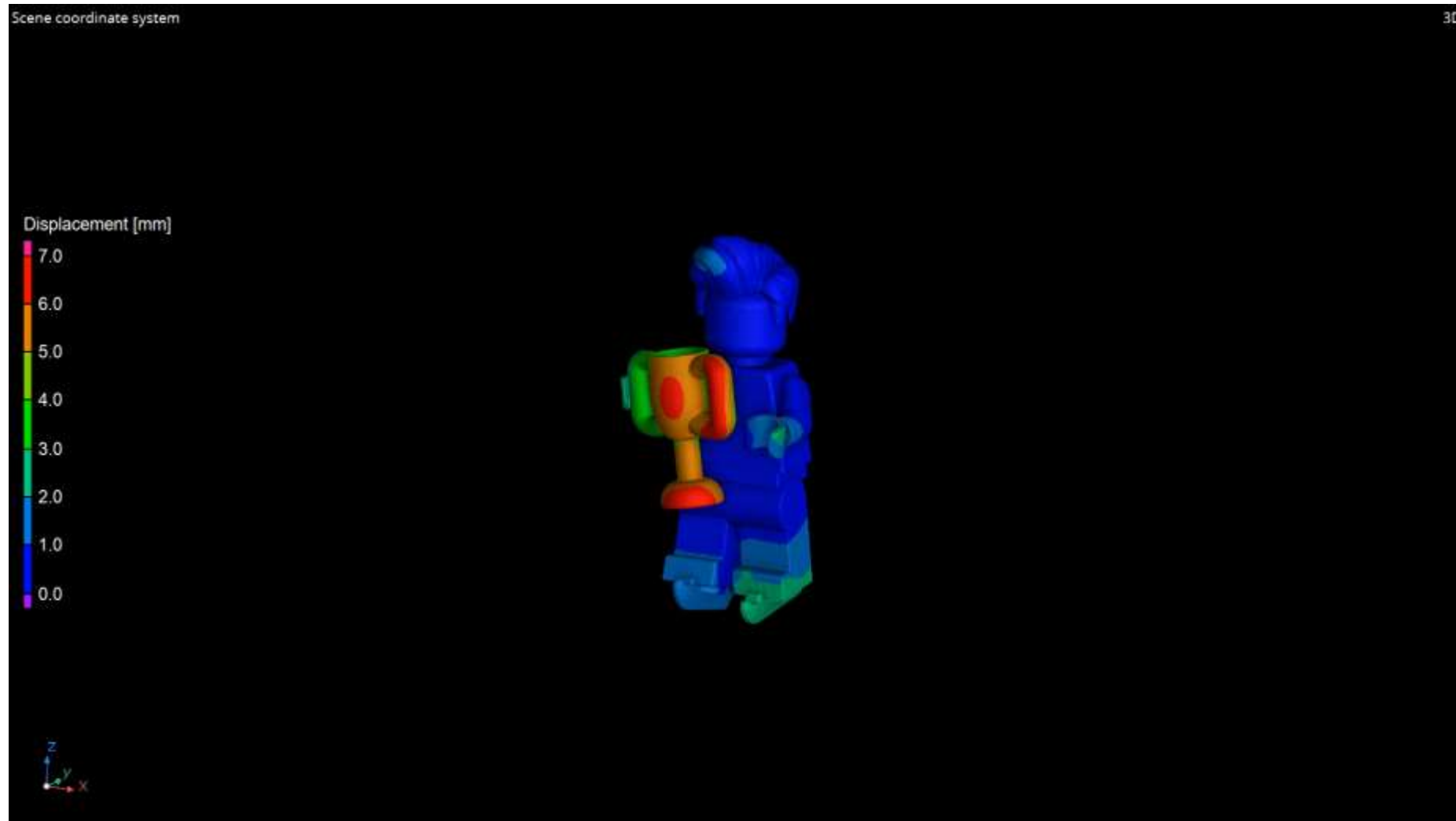
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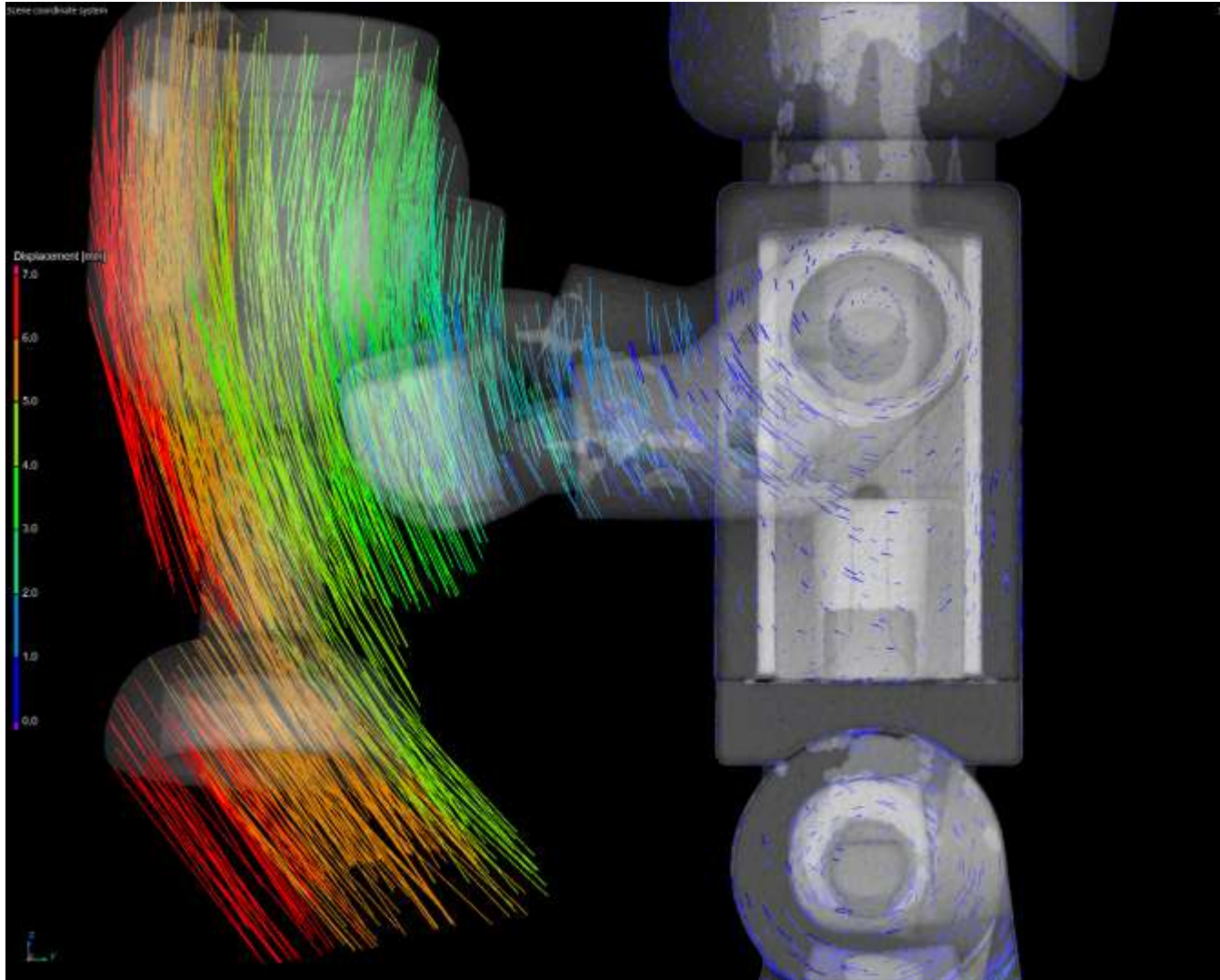
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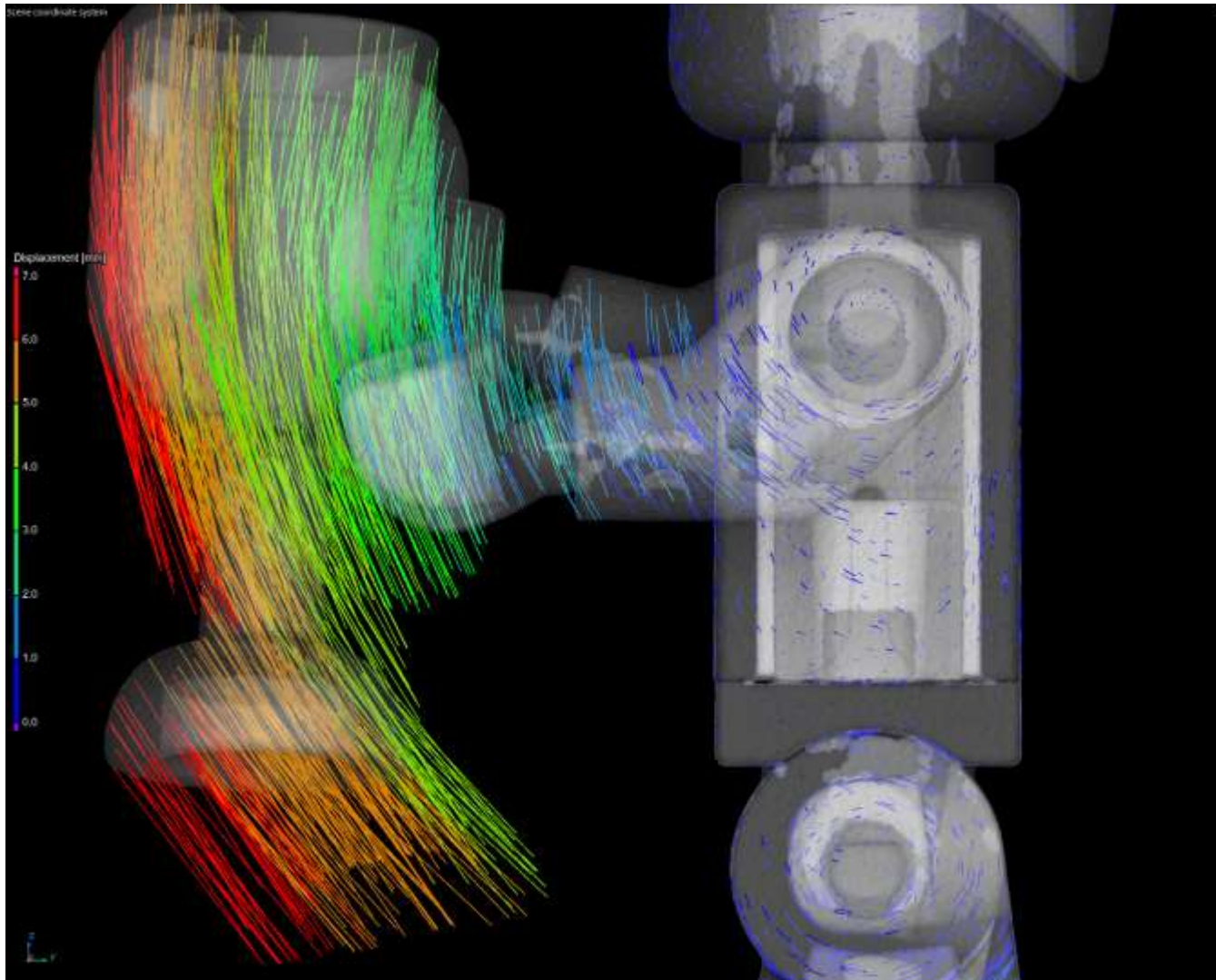


Morphing? Cool! Why not use it for other applications?



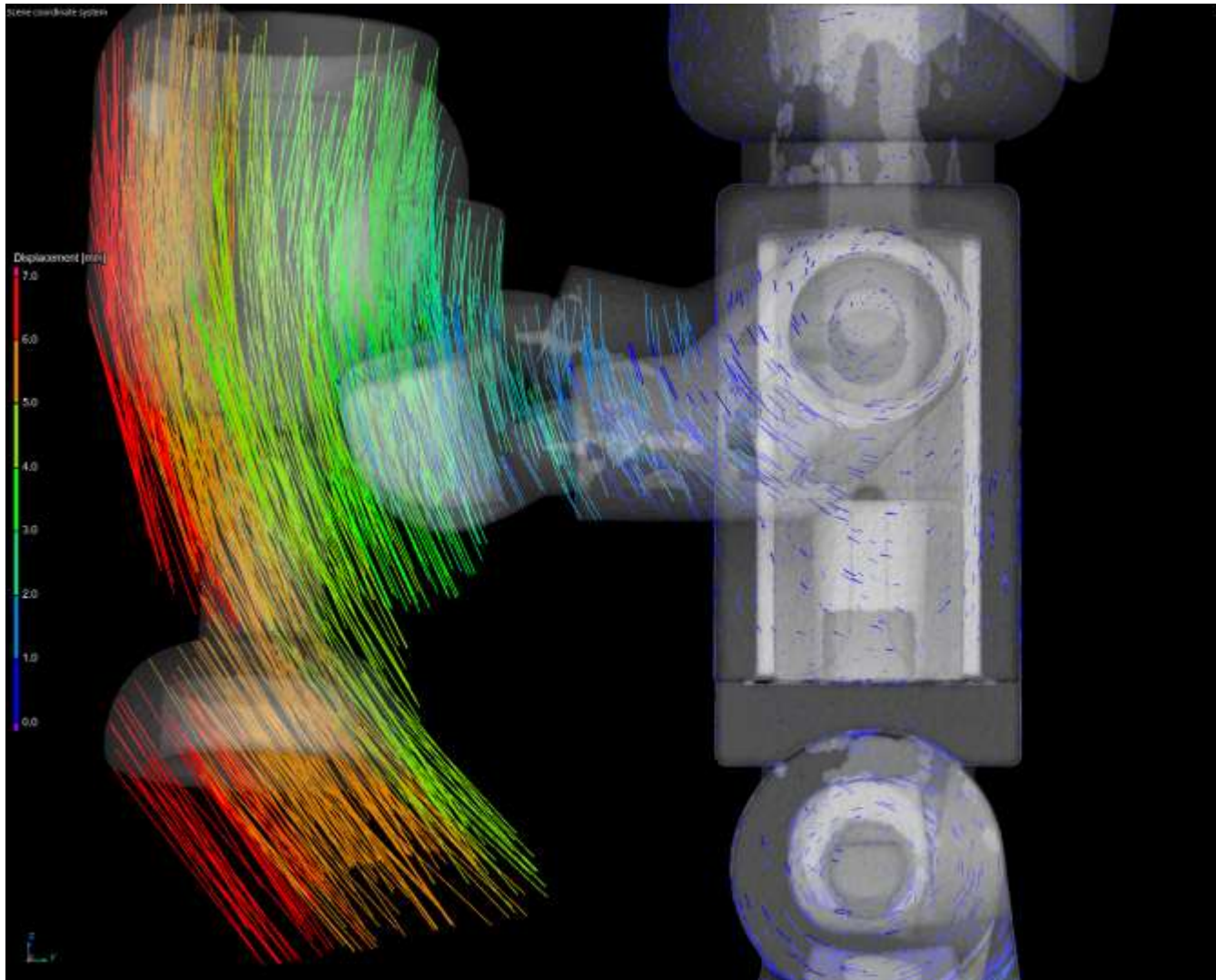
- Adaptive measurement

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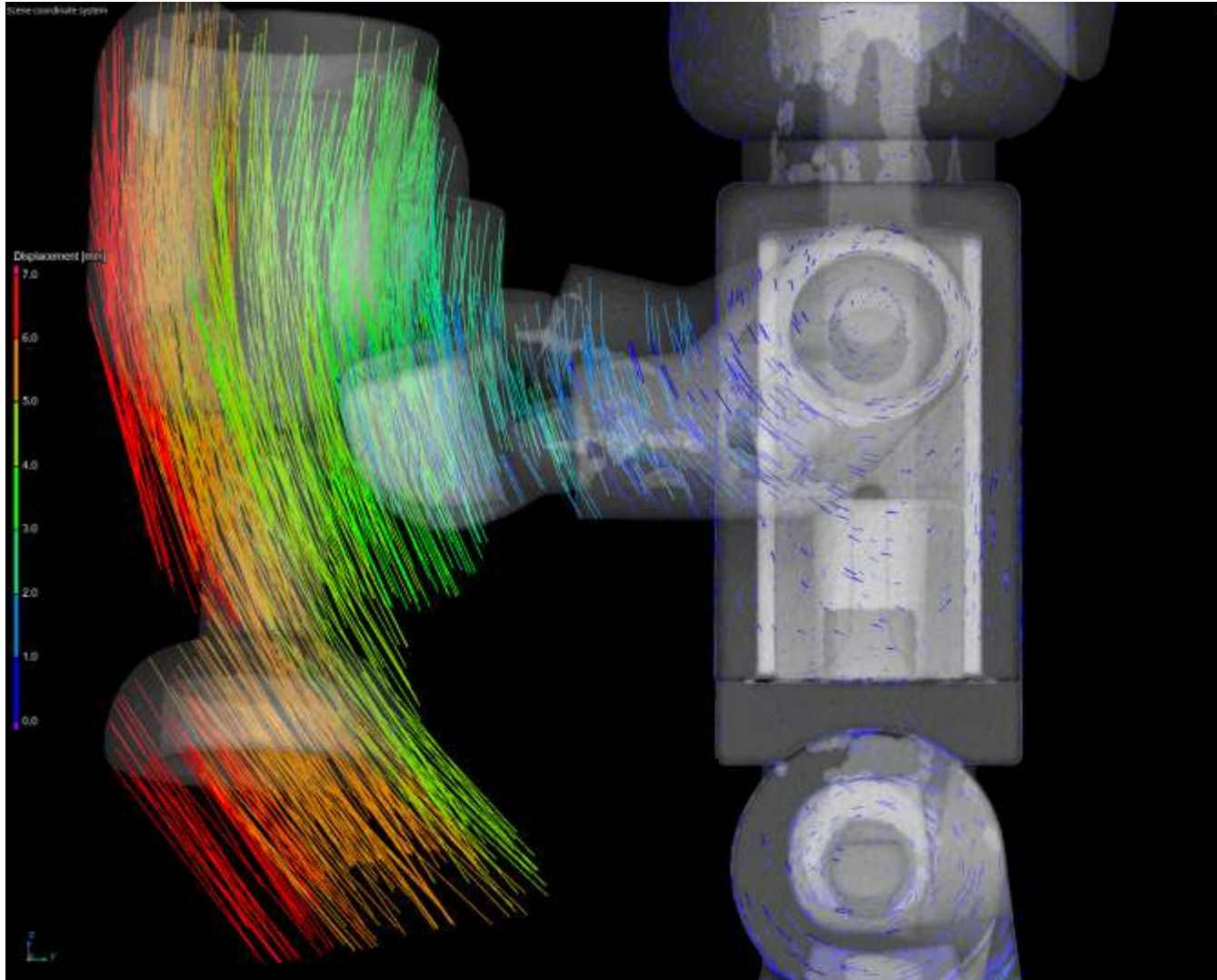
- Adaptive measurement
- Compensate Meshes

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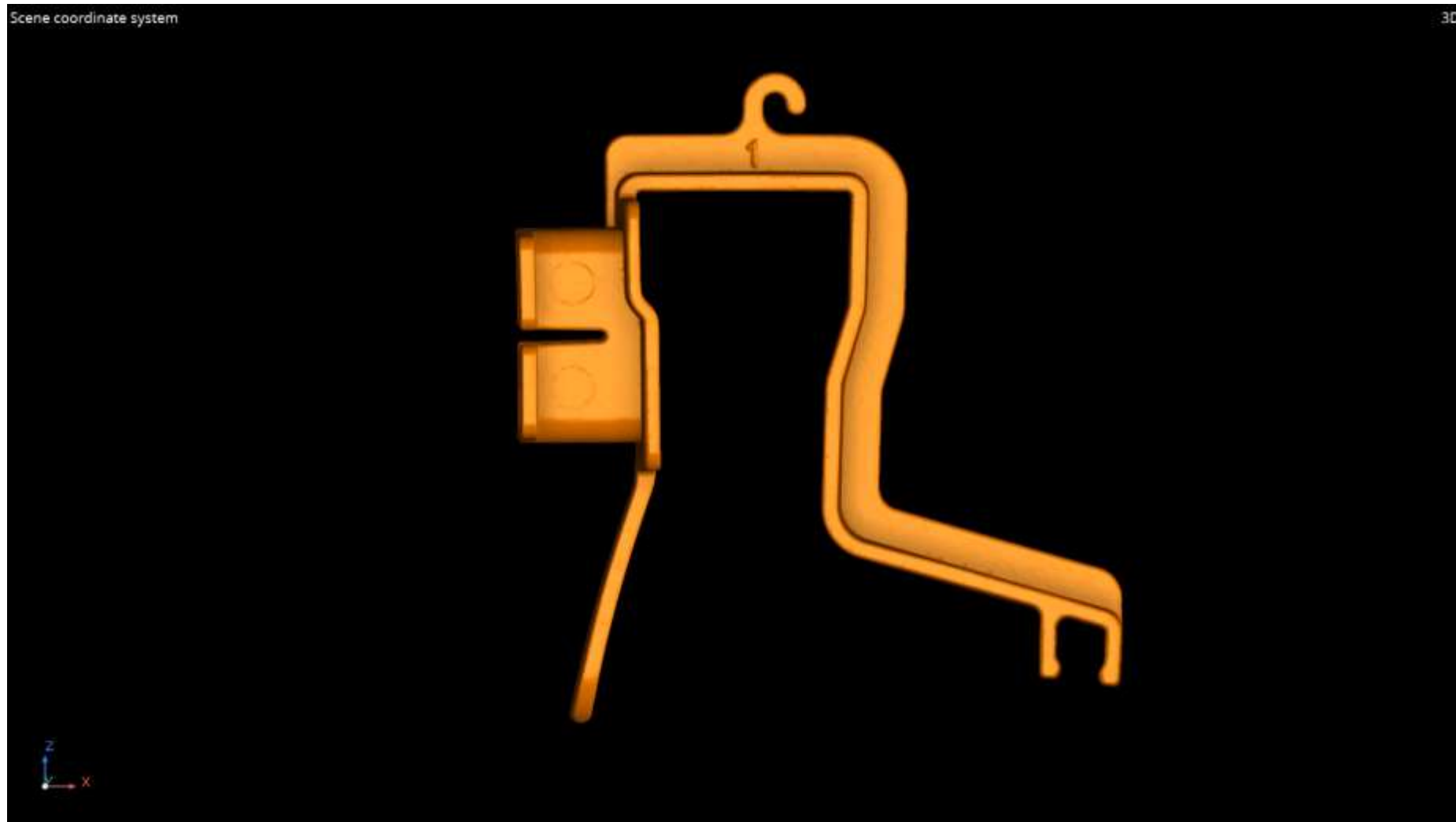
- Adaptive measurement
- Compensate Meshes
- Mould compensation

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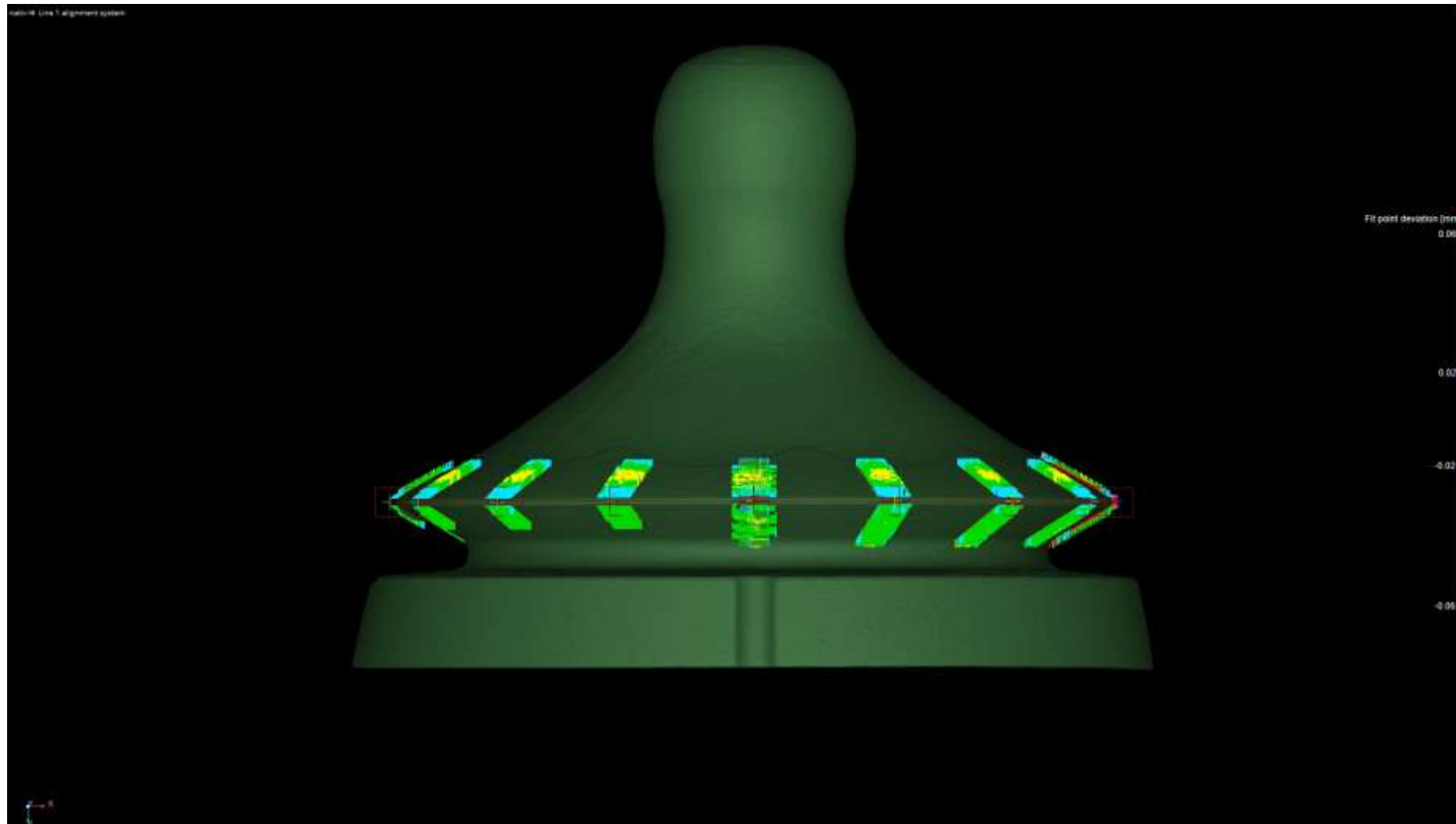


- Adaptive measurement
- Compensate Meshes
- Mould compensation
- Apply to third party files (nastran, patran, ...)

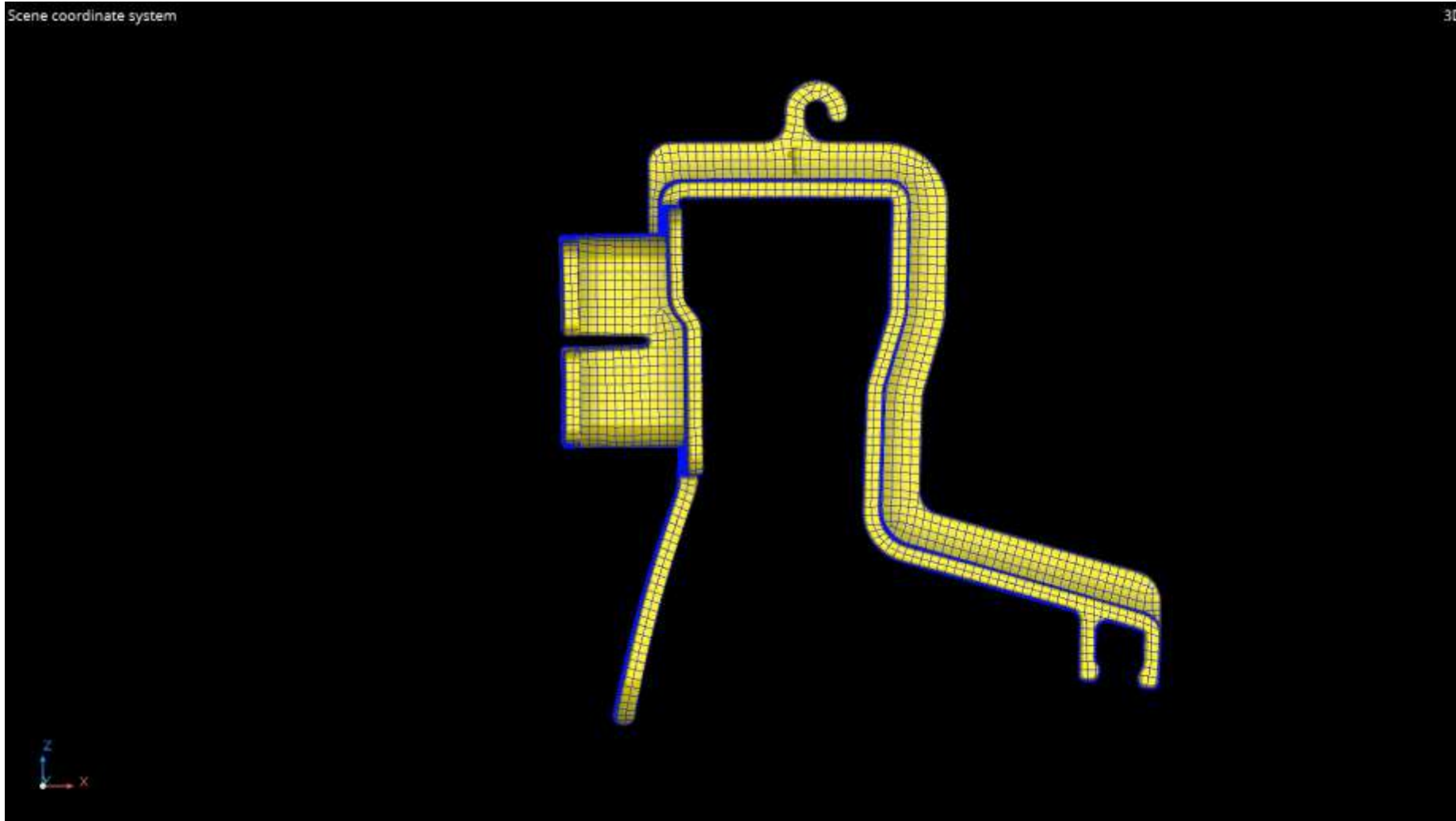
Adaptive measurement



Adaptive measurement



Mesh Compensation



Thank you for your attention



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Product Owner

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