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Nanoindentation of Aluminum Single Crystals: Experimental Study on Influencing Factors

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1. Supplementary material: Residual analysis

The residuals $e$ are calculated as the difference of the measured value $y$ and the modelled value $y'$:

$$ e = y - y' $$

The respective residuals are calculated on the basis of data shown in Figure 8 ($H_I$) and Figure 9 ($M$).

![Figures showing residual analysis](image)

Figure S1 – Residual analysis of the fit to the azimuthal indenter orientation: $e_{M, normalized}$: a) (100)-orientation, (b) (110)-orientation and (c) (111)-orientation. $e_{H,I, normalized}$: a) (100)-orientation, (b) (110)-orientation and (c) (111)-orientation.

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