Novel machine tool-based implementation of the multi-step method for the separation of machine and probe errors by using the MFB

Context:
- The MFB is used for identification of geometric errors on linear axis [Viprey, 2016]
- Geometric errors of rotary axis also affect the precision of machining or accuracy of on-line measurement

Scientific issue:
- Measurements during identification process combine both the errors of the guiding system and the form error of the material standard
- Multi-step methods $\Rightarrow$ identification of the systematic motion errors as well as form errors of the material standard and the probe

Objectives:
- Development of identification method for geometric errors of rotary axis based on the use of the MFB
- Identification model and experimentation of machine-tool and comparison with well-known method

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