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A Flexible Haptic Test Bed

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Abstract:
Haptic perception from the greek haptos (perceptible) or haptikos (suitable for touching) means to tactilely sense objects. This is a major issue during design and quality control of any kind of human machine interfaces. In order to achieve a reliable quality information, haptic tests are performed. Nowadays this is often done by specially trained staff. Although being a well approved and cost-efficient method, this has certain disadvantages, e.g. missing objectivity. To enhance this measuring environment we are using a six-axis articulated joint robot with appropriate measuring equipment building a flexible test bed.

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