

Haptics for virtual reality and teleoperation

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Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20410780&lokasi=lokal>

Abstrak

This book covers all topics relevant for the design of haptic interfaces and teleoperation systems. The book provides the basic knowledge required for understanding more complex approaches and more importantly it introduces all issues that must be considered for designing efficient and safe haptic interfaces. Topics covered in this book provide insight into all relevant components of a haptic system.

The reader is guided from understanding the virtual reality concept to the final goal of being able to design haptic interfaces for specific tasks such as nanomanipulation.