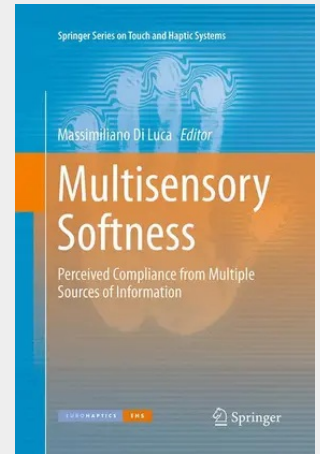


Multisensory Softness

Offers a unique multidisciplinary overview of how humans interact with soft objects and how multiple sensory signals are used to perceive material properties, with an emphasis on object deformability. The authors describe a range of setups that have been employed to study and exploit sensory signals involved in interactions with compliant objects as well as techniques to simulate and modulate softness – including a psychophysical perspective of the field.

Multisensory Softness focuses on the cognitive mechanisms underlying the use of multiple sources of information in softness perception. Divided into three sections, the first *Perceptual Softness* deals with the sensory components and computational requirements of softness perception, the second *Sensorimotor Softness* looks at the motor components of the interaction with soft objects and the final part *Artificial Softness* focuses on the identification of exploitable guidelines to help replicate softness in artificial environments.

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