

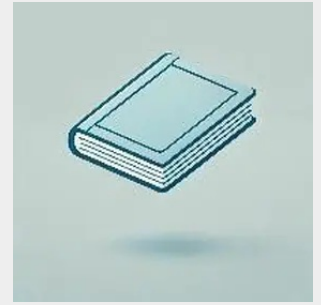
Intelligent Gait Assistive Technologies

Gait Biomechanics and Machine Learning Applications in Rehabilitation and Injury Prevention

Intelligent Gait Assistive Technologies: Gait Biomechanics and Machine Learning Applications in Rehabilitation and Injury Prevention brings together contemporary research and applications to show how gait biomechanics combined with machine learning can be used to develop techniques to provide safer, more mechanically efficient locomotion to individuals with significant visual, musculoskeletal, or neurological deficits. Developments in gait rehabilitation and injury prevention outlined in this book will contribute to improved quality of life for individuals with gait-related impairments, with a major contribution to medical cost savings due to reduction in falls. Researchers, engineers, and students in biomedical engineering and biomechanics will find this a welcomed reference in better understanding the role of machine learning and intelligent technologies in the advancement of gait rehabilitation and injury reduction to both impaired and healthy individuals.

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