

# Measurement of human movements with inertial sensors

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3D Motion Analysis System



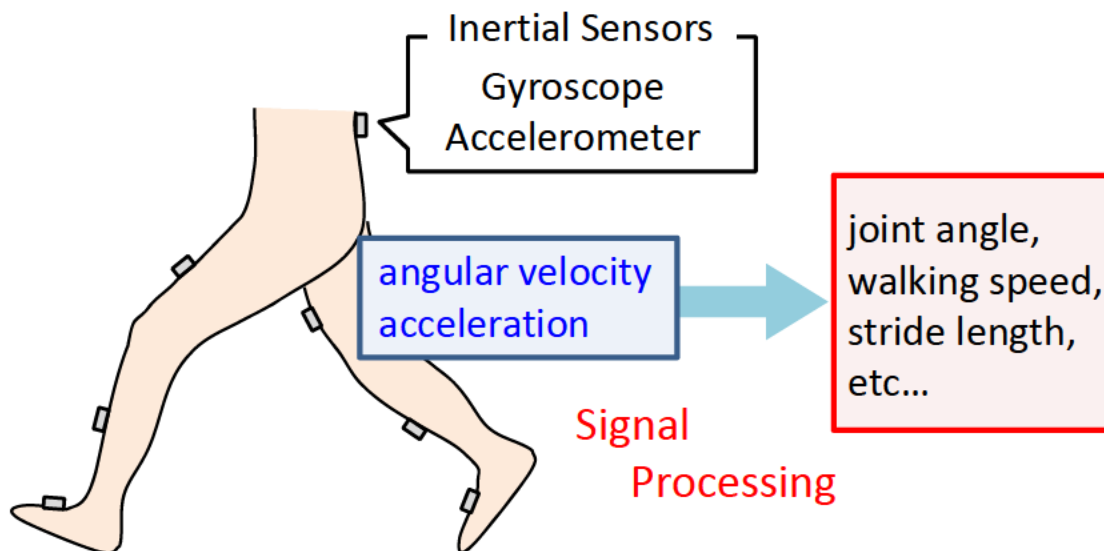
Goniometers



portable walkways

○ high accuracy

- × inconvenient, time-consuming set up process
- × mainly limited to laboratory use
- × expensive



○ low cost

○ shrinking in size

○ wearable

⇒ not limited to laboratory use

× difficulty in signal processing

Let's calculate an index to evaluate human movements from inertial sensor signals!