

ABSTRACT

ARMS: Augmented Reality Measurement System for Wheelchair Fitting

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Augmented Reality Measurement System (ARMS) is a tool under development that expedites and improves the accuracy of clinical and manufacturer measurements of wheelchairs. Poor-fitting wheelchairs due to lack of measurements are detrimental to the health of users, and standard measurement methods with rulers and goniometers are long processes that take up valuable time in appointments.

ARMS aims to leverage a marker-based video capture technology that measures quickly and accurately, especially with the numerous configuration adjustments necessary to make wheelchairs fit properly for users.

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