

# Medical Robotics

Some definitions

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# What is a robot?

# Configuration Space: Describing the state of a robot

Configuration Space or C-space

# Degrees of Freedom

# Task space and Workspace

# Math Preliminary: Vector Spaces

# Math Preliminary: Subspace

# Math Preliminary: Linear Independence



# Math Preliminary: Standard Inner product

# Math Preliminary: Norm

# Math Preliminary: Span of a set of vectors

# Math Preliminary: Basis