Statics and Kinamatics of frameworks in Eucledian and non-Eucledian Geometry

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1 Introduction

- Bar-Joint framework
- Rigid Bars & universal Joints
- Arm vs. Robotic arm
  this is flexible framework
  sometimes want rigid frameworks i.e Bridge no universal joints but we can
  assume them to be and investigate when and how they change
- rigidity
  - statically rigid
  - rigid
  - Infinitesimally rigid
- Definition of $\mathbb{E}, \mathbb{S}, \mathbb{H}$

2 Kinematics

1. Definition framework