

Project Need

2 Million Amputees in the U.S.

Up to 50 Thousand Dollars for a Prosthesis

Thus, most children do not have access to Prostheses

Negatively Affects Prosthesis Use as an Adult

Engineering Process

Modularity

Branch off



Material

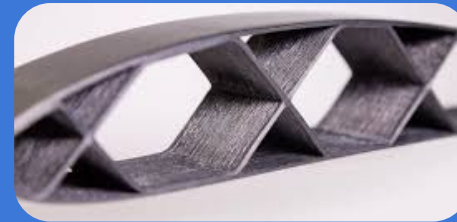
Code

Movement Mechanics

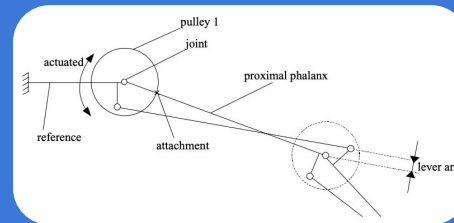
Feedback System



(Prosthetic Hand, n.d.)



(Rajput, 2021)

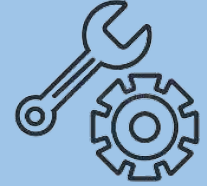


(Pons et al., 2004)



Specific Aims

I. Functionality



II. Modularity



III. Durability



IV. Comfort



V. Cost-Effectiveness

