

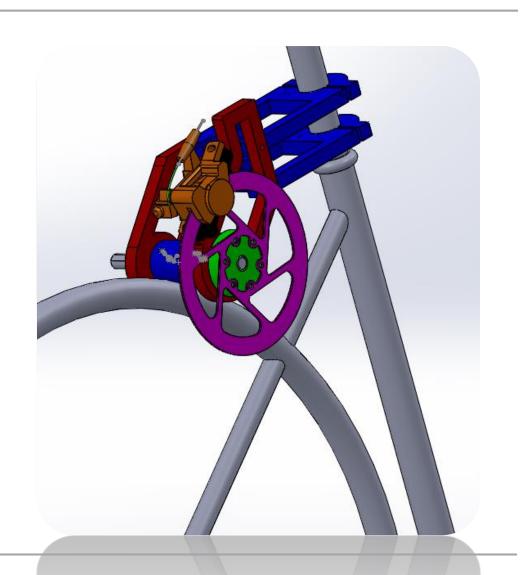
mockup review section a



Terrainer | product vision

simulates personalized racing courses

allows for outdoor riding



Terrainer | sketch model

No substantial weight

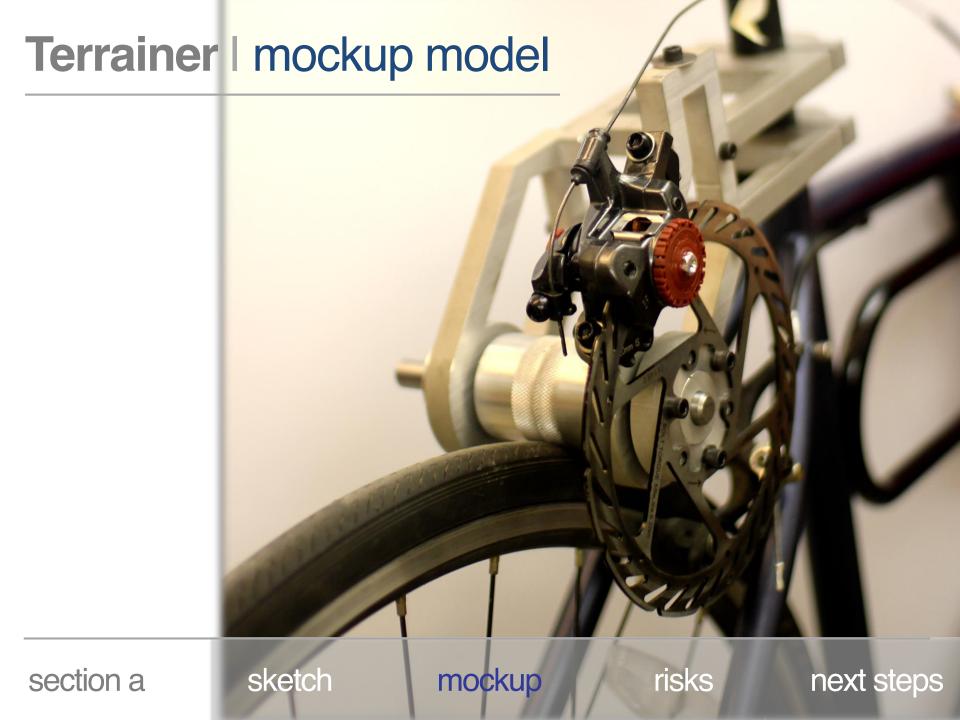
No disruption to rider's movements



Terrainer | sketch model



Magnetic damper ineffective at higher velocities



Terrainer | risk one

How effective are calipers in applying resistance?

Input force

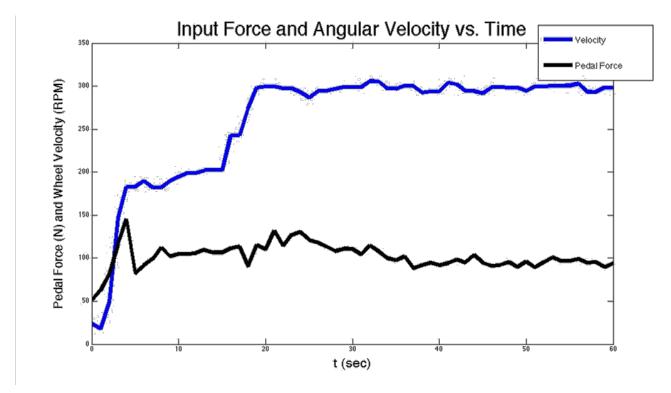


Braking force



Terrainer | risk one

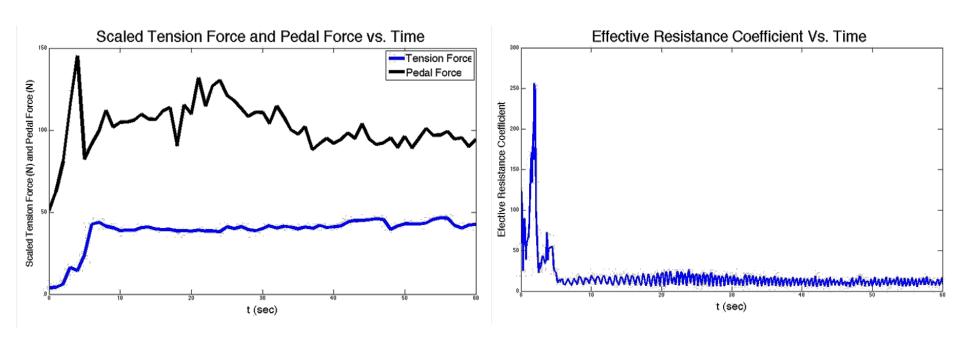
How effective are calipers in applying resistance?



force independent of velocity

Terrainer | risk one

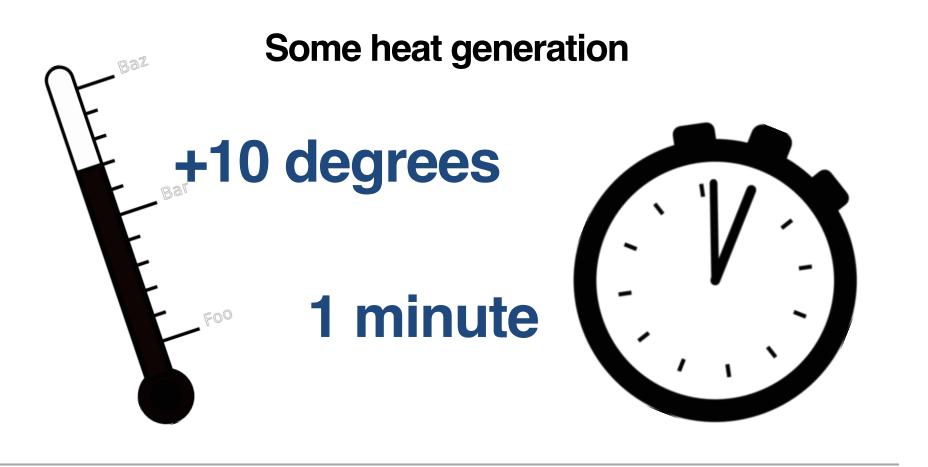
How effective are calipers in applying resistance?



force directly correlates with tension

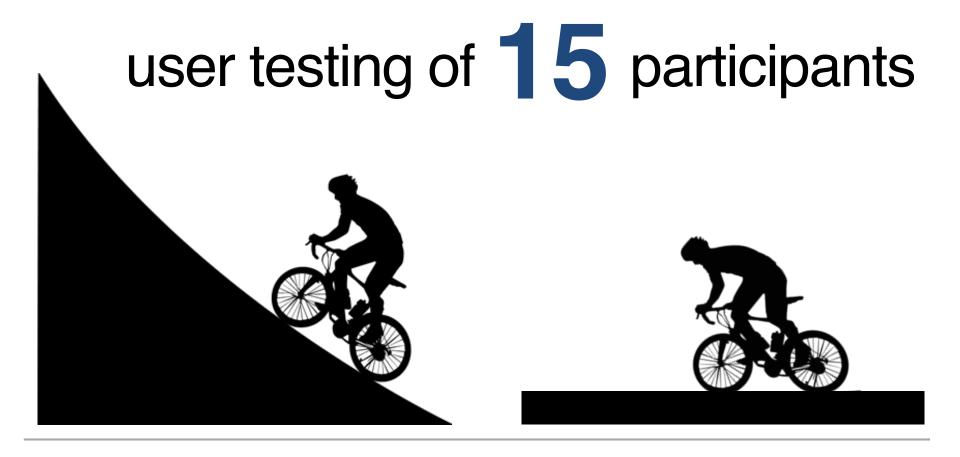
Terrainer | risk two

Will there be excessive heat generation by friction?



Terrainer | risk three

Does Terrainer actually simulate uphill riding?



Terrainer | risk three

Does Terrainer actually simulate uphill riding?

93% of users said experiences were comparable

Terrainer | product contract

Customer Needs	Product Attributes	Engineering Specifications
Lightweight	Lightweight	< 5 lb
Is easily removed from the bike frame	Quick mount	< 60 seconds
Doesn't damage bike	Low wear on bike	No wear on rims, wheels, or frame afer 10hrs of riding
Visual cues for inclined angles	Display/ GUI	Provides user with feedback on hill gradient & length
Accurately simulates hill riding	Realistic power dissipation	Match real hill riding power input within 5%
Access to performance statistics	Riding statistics available to user	Provide user with riding power & velocity data

Terrainer | moving forward

visual cues wear & tear

Terrainer | pricing & target consumers

Target price of

\$250

35.6M cyclists in the United States 18.8M for fitness, **5M** for racing/ sport

