Prosthetic Foot Design

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SEATTLE NATURAL FOOT

Force [N] vs Time [s]

- Peak force: 841.2099 N at 0.196 s
- Peak force: 457.9218 N at 0.596 s
- Force level below 100 N after 0.628 s
$y = 400.35x^3 - 544.55x^2 - 737.49x + 1018.1$
Anknat.tbd

\[ y = -179.52x^4 + 913.27x^3 - 1267.5x^2 - 97.027x + 859.36 \]

![Graph showing a curve with a polynomial function](image-url)
SEATTLE NATURAL FOOT

Ankle Configuration

Time [s]

Force [N]

0 100 200 300 400 500 600 700 800

0 0.1 0.14 0.504 0.552

689.4127

408.5877

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$y = 428.13x^4 - 925.2x^3 + 742.48x^2 - 918.92x + 784.26$