



Kinematics Report

Simulation Author: Robert Horvath

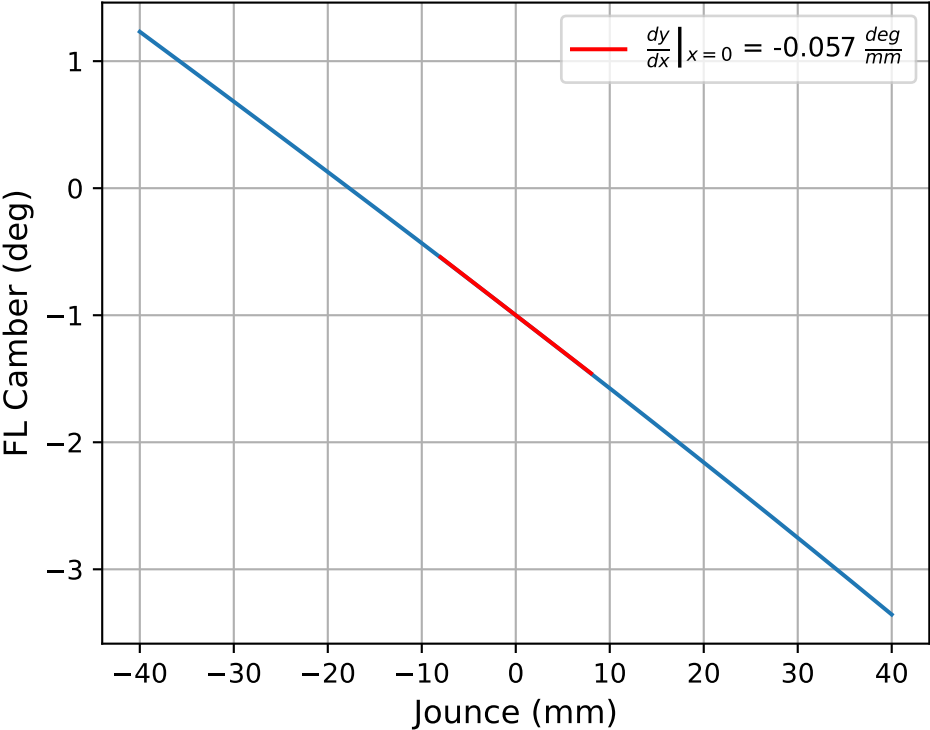
Generated By: Robert (roberthorvath5@gmail.com)

Date: 2025-06-07, 01:01 PM PDT

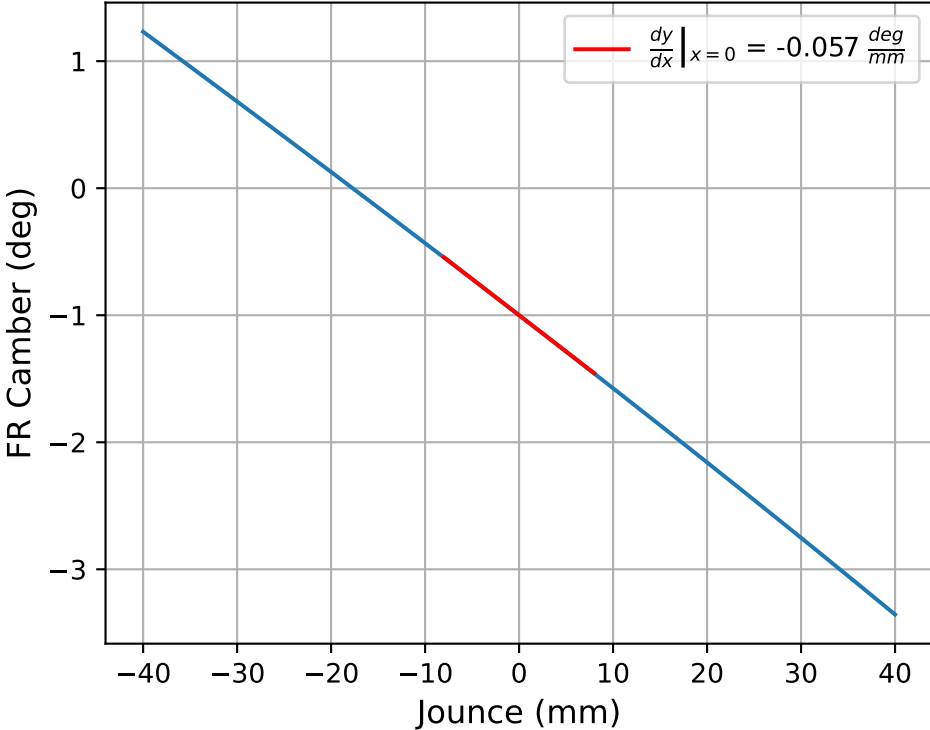
Note 1: Linear fits are tangent lines about $x = 0$ (NOT fits over the entire range)

Note 2: Cubic fits are performed over the entire visible domain (fits over the entire range)

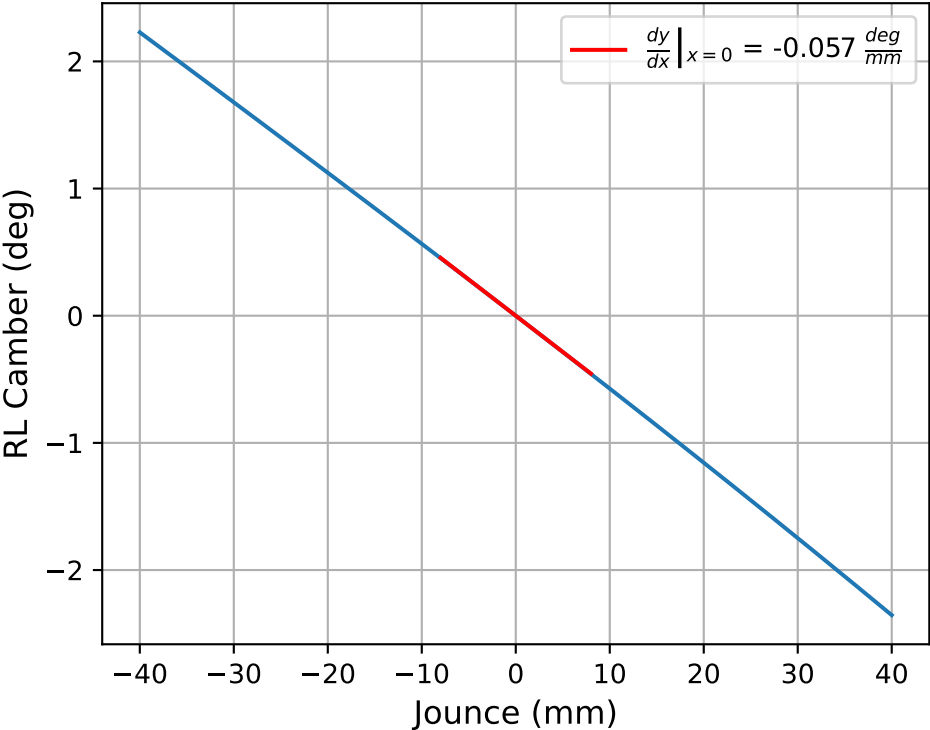
FL Bump Camber



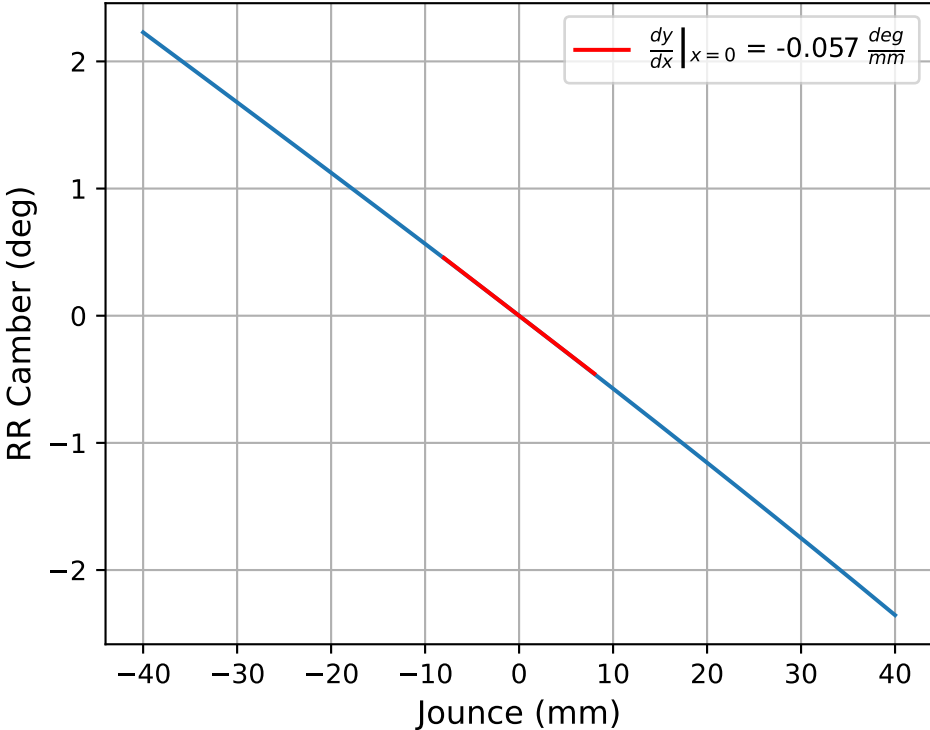
FR Bump Camber



RL Bump Camber



RR Bump Camber



Linear Fit

$f(x) = a_1x + a_0$

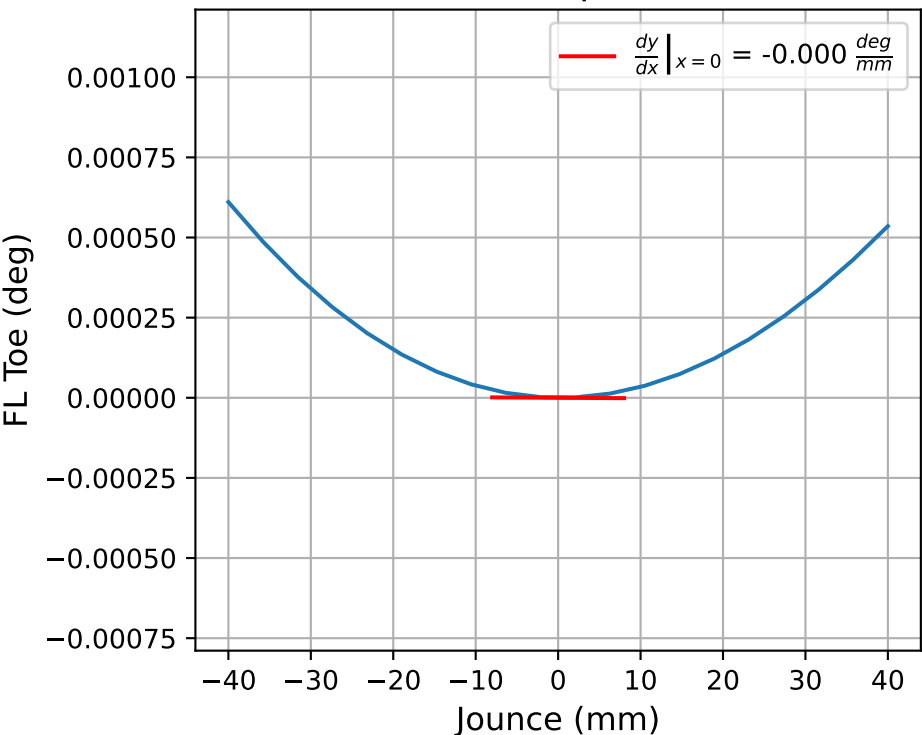
FL	$f(x) = -0.057x + -1.0$
FR	$f(x) = -0.057x + -1.0$
RL	$f(x) = -0.057x + 0.0$
RR	$f(x) = -0.057x + 0.0$

Cubic Fit

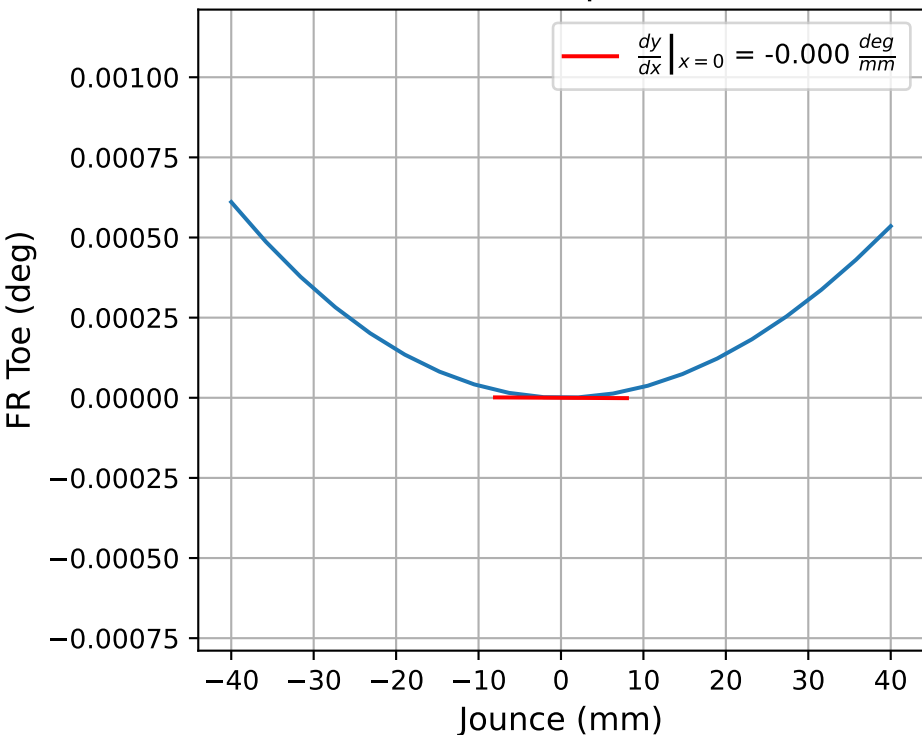
$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$

FL	$f(x) = -0.0x^3 + -0.0x^2 + -0.057x + -1.0$
FR	$f(x) = -0.0x^3 + -0.0x^2 + -0.057x + -1.0$
RL	$f(x) = -0.0x^3 + -0.0x^2 + -0.057x + 0.0$
RR	$f(x) = -0.0x^3 + -0.0x^2 + -0.057x + 0.0$

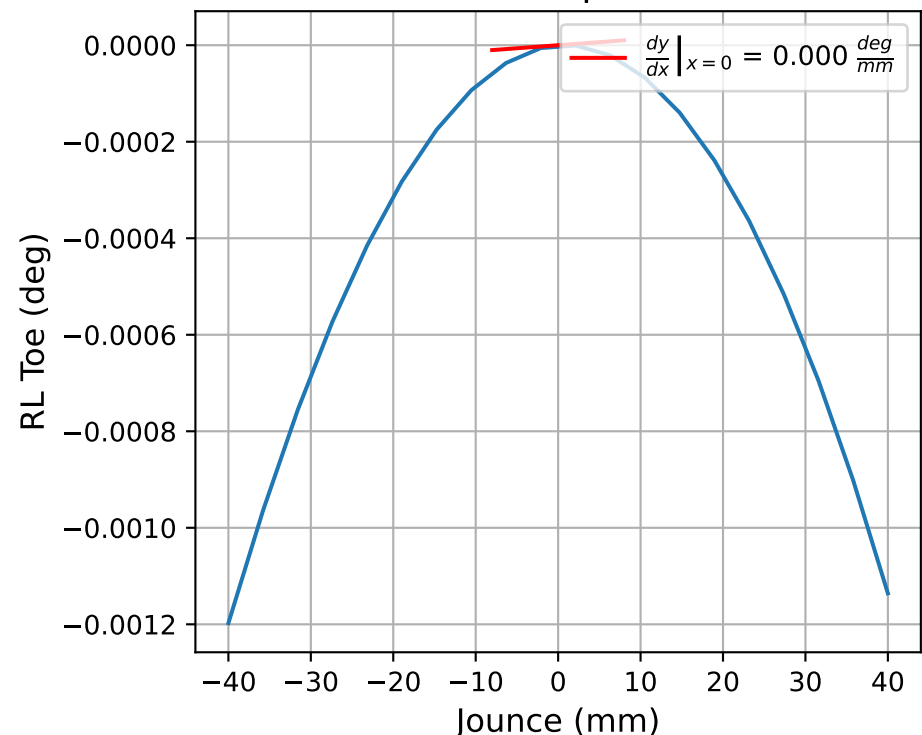
FL Bump Toe



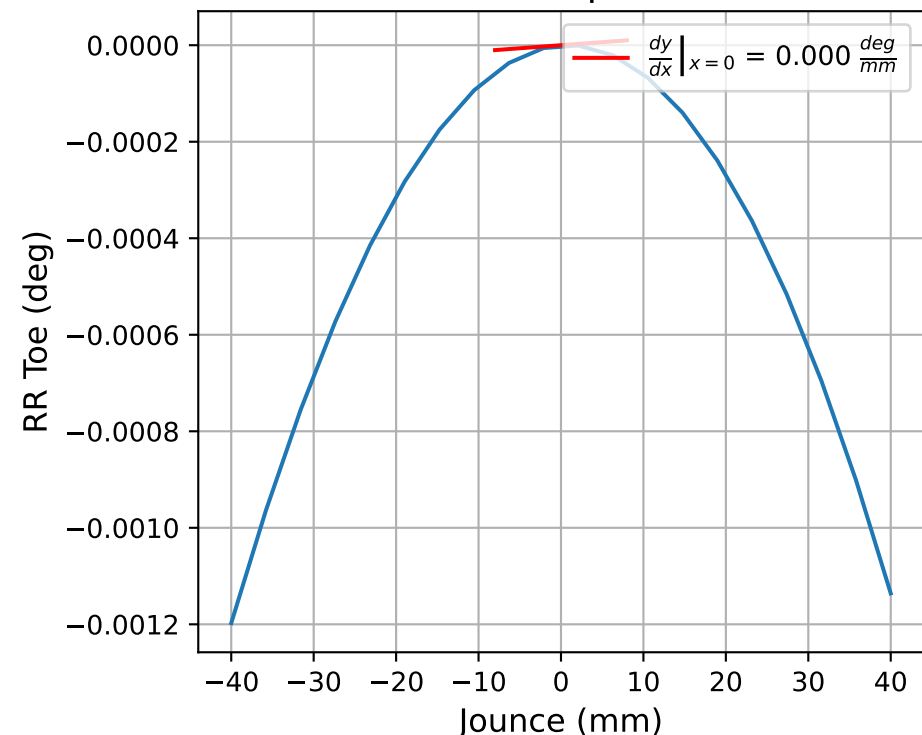
FR Bump Toe



RL Bump Toe



RR Bump Toe



Linear Fit

$f(x) = a_1x + a_0$

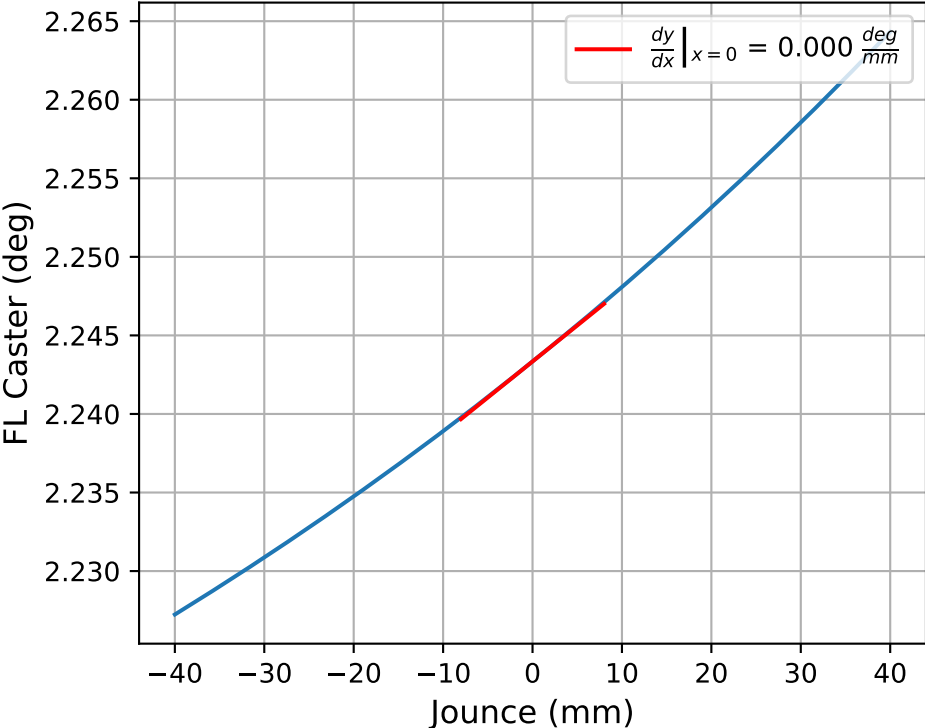
FL	$f(x) = -0.0x + -0.0$
FR	$f(x) = -0.0x + -0.0$
RL	$f(x) = 0.0x + 0.0$
RR	$f(x) = 0.0x + 0.0$

Cubic Fit

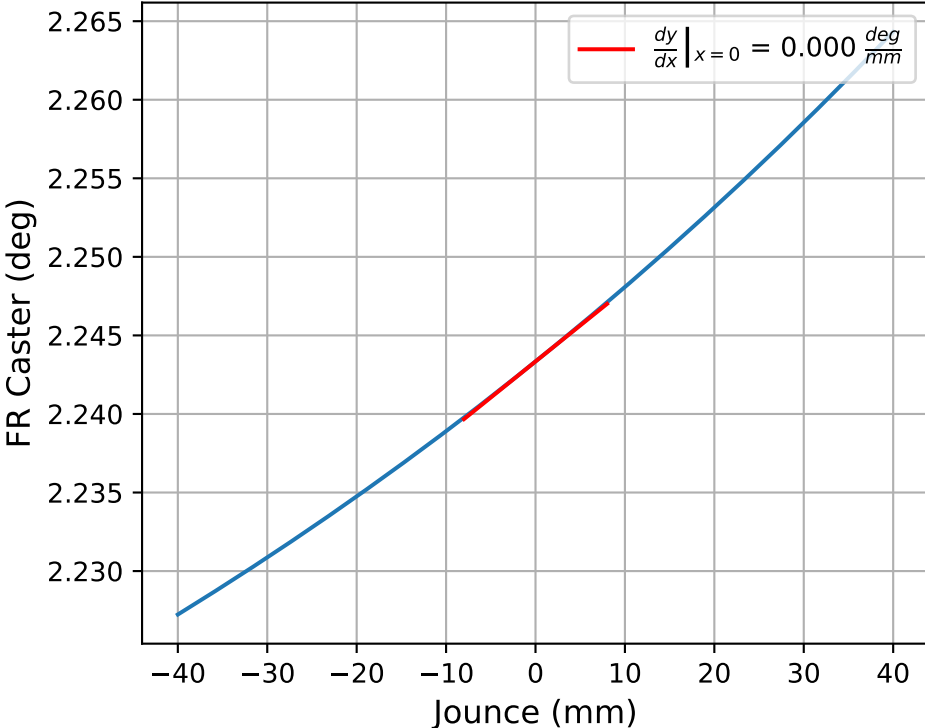
$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$

FL	$f(x) = -0.0x^3 + 0.0x^2 + -0.0x + -0.0$
FR	$f(x) = -0.0x^3 + 0.0x^2 + -0.0x + -0.0$
RL	$f(x) = -0.0x^3 + -0.0x^2 + 0.0x + 0.0$
RR	$f(x) = -0.0x^3 + -0.0x^2 + 0.0x + 0.0$

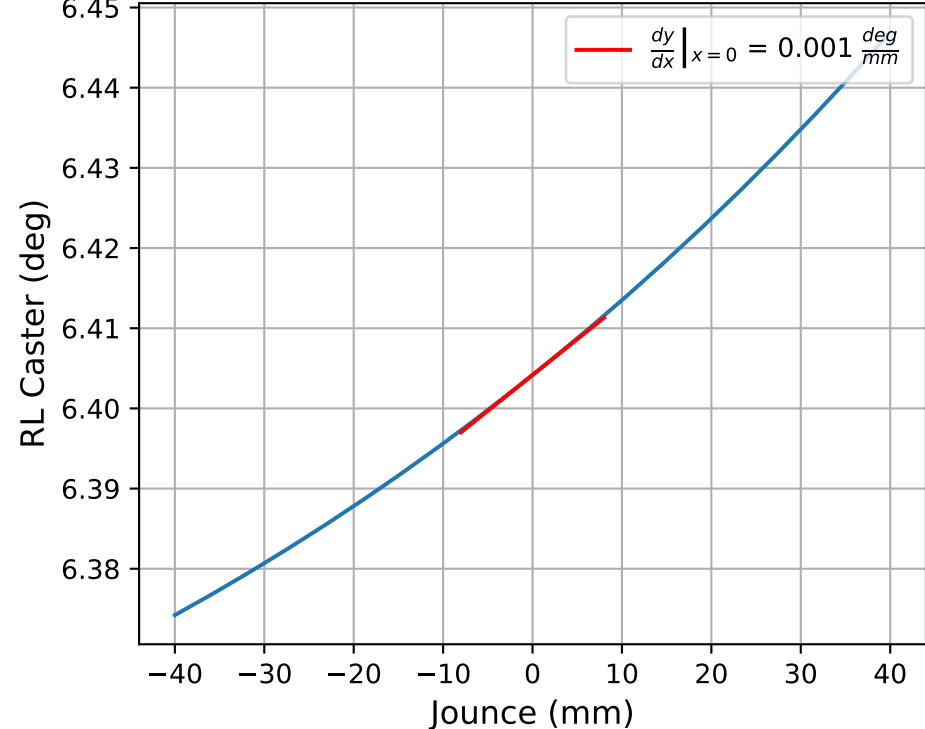
FL Bump Caster



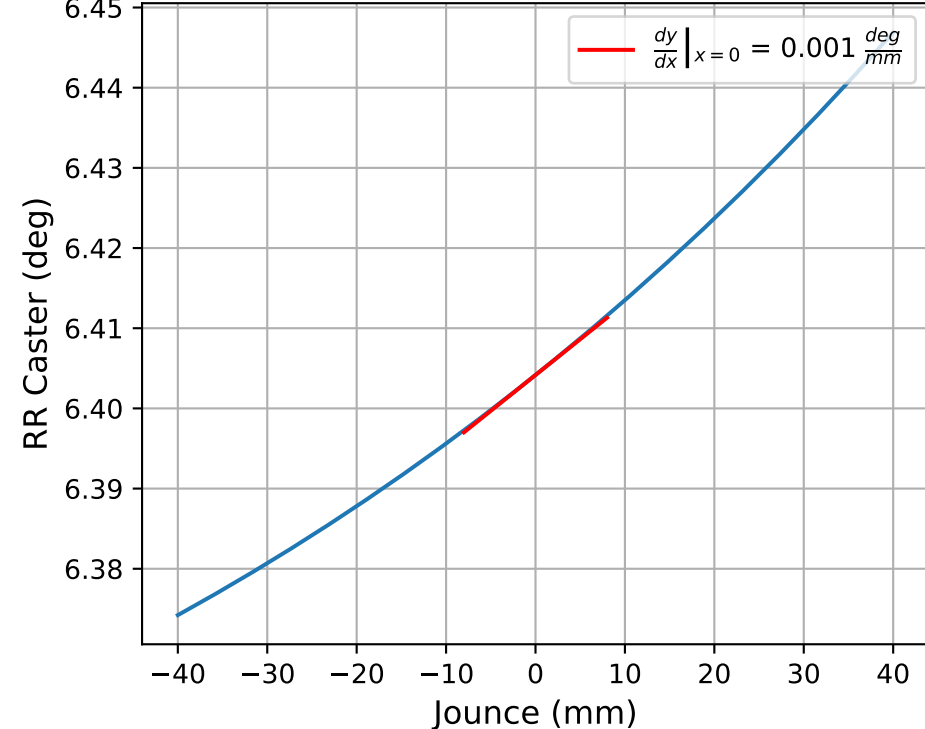
FR Bump Caster



RL Bump Caster



RR Bump Caster



Linear Fit

$f(x) = a_1x + a_0$

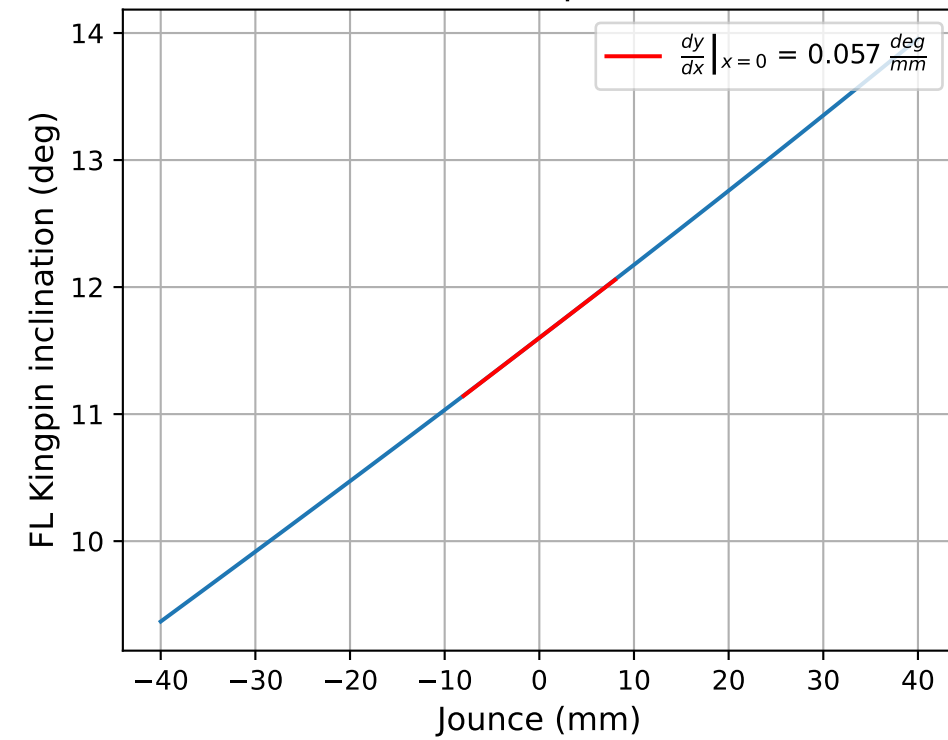
FL	$f(x) = 0.0x + 2.243$
FR	$f(x) = 0.0x + 2.243$
RL	$f(x) = 0.001x + 6.404$
RR	$f(x) = 0.001x + 6.404$

Cubic Fit

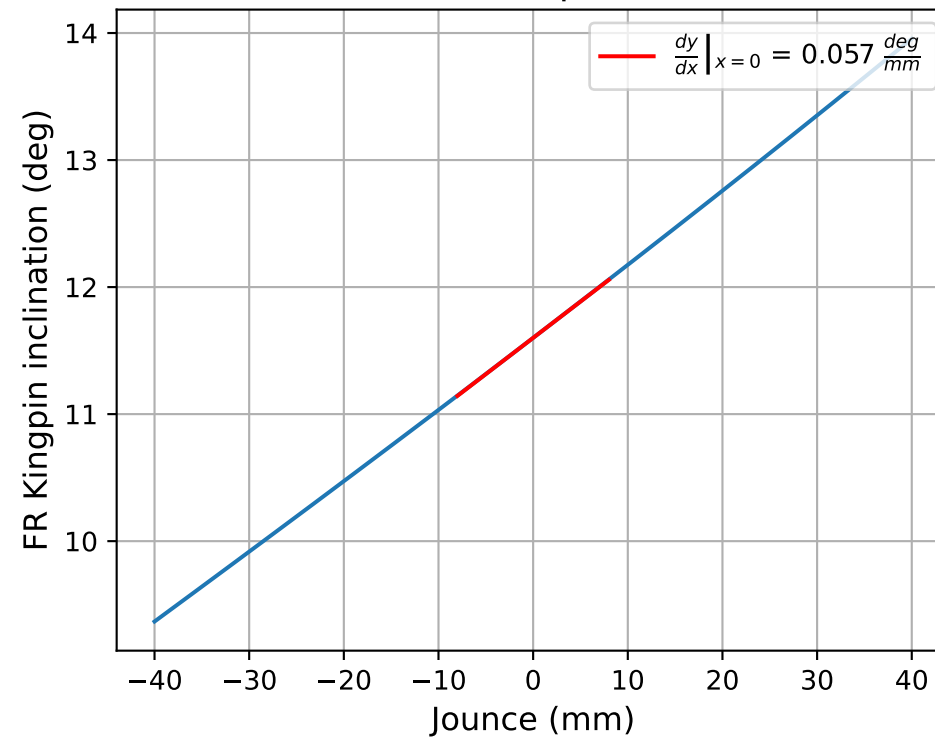
$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$

FL	$f(x) = 0.0x^3 + 0.0x^2 + 0.0x + 2.243$
FR	$f(x) = 0.0x^3 + 0.0x^2 + 0.0x + 2.243$
RL	$f(x) = 0.0x^3 + 0.0x^2 + 0.001x + 6.404$
RR	$f(x) = 0.0x^3 + 0.0x^2 + 0.001x + 6.404$

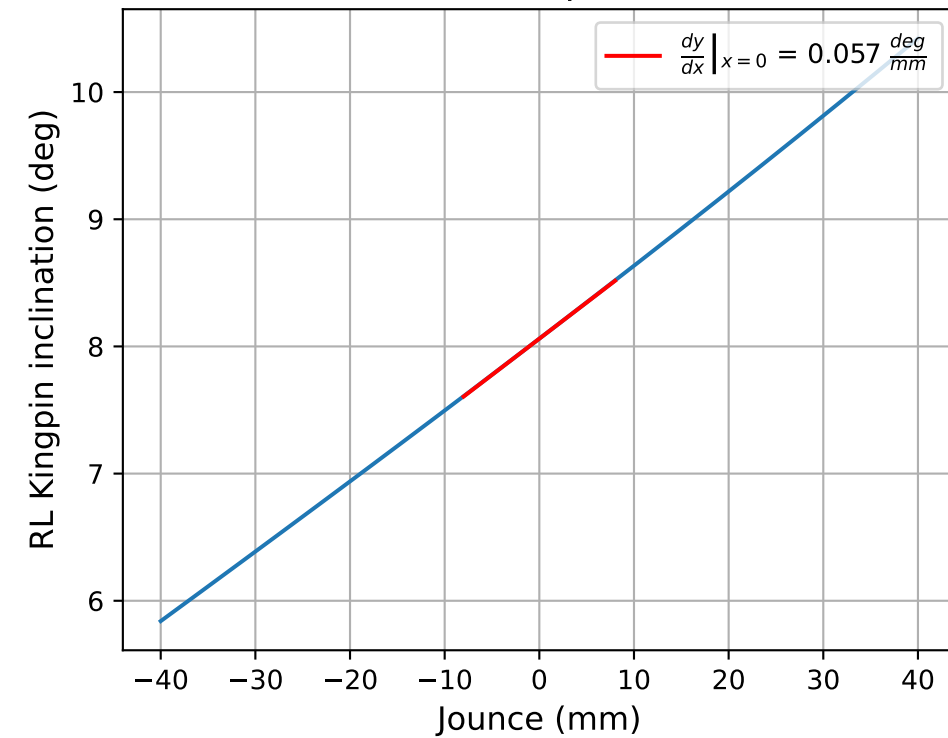
FL Bump KPI



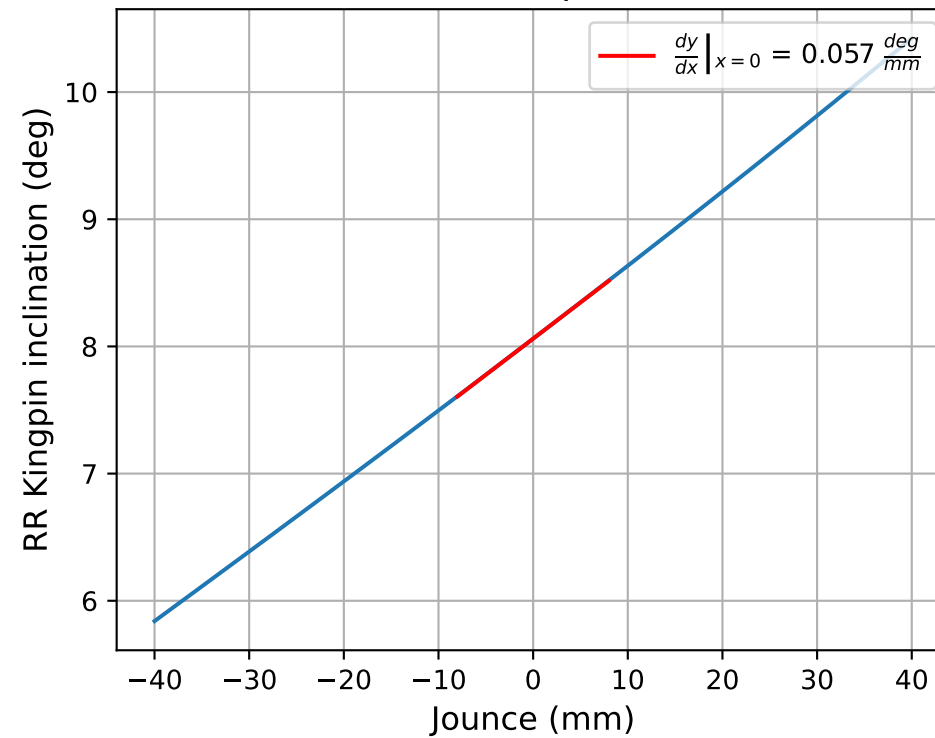
FR Bump KPI



RL Bump KPI



RR Bump KPI



Linear Fit

$$f(x) = a_1x + a_0$$

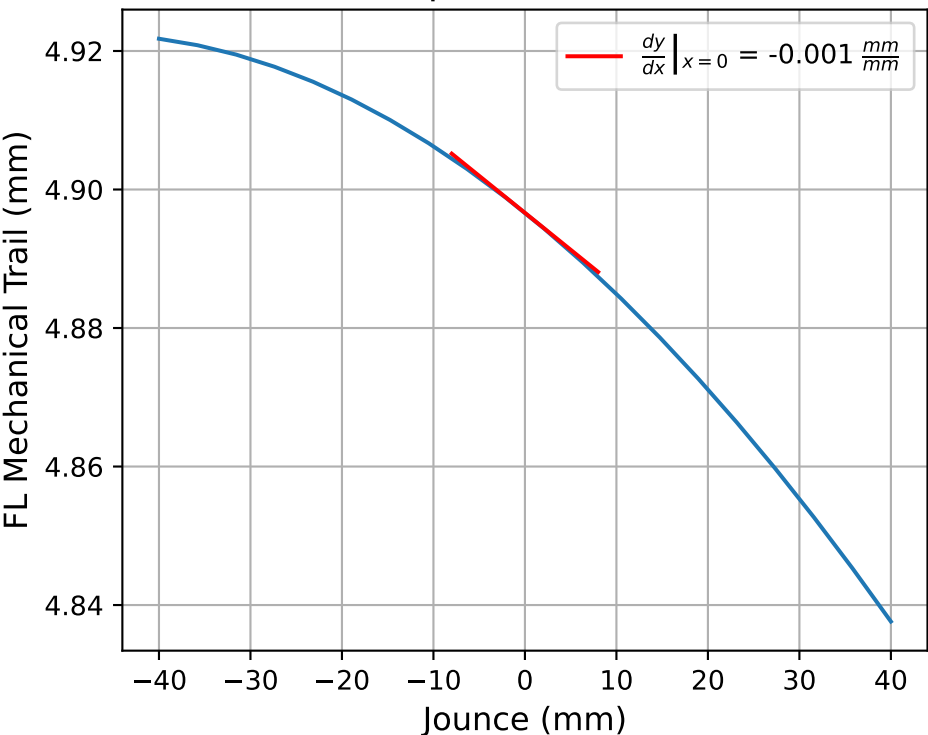
FL	$f(x) = 0.057x + 11.6$
FR	$f(x) = 0.057x + 11.6$
RL	$f(x) = 0.057x + 8.061$
RR	$f(x) = 0.057x + 8.061$

Cubic Fit

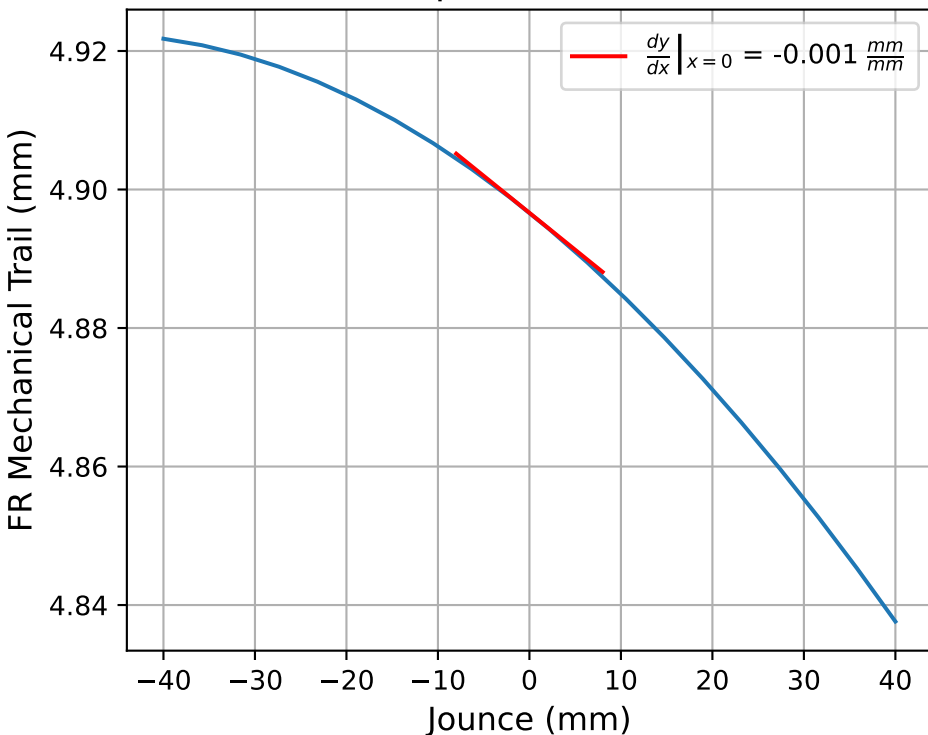
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

FL	$f(x) = 0.0x^3 + 0.0x^2 + 0.057x + 11.6$
FR	$f(x) = 0.0x^3 + 0.0x^2 + 0.057x + 11.6$
RL	$f(x) = 0.0x^3 + 0.0x^2 + 0.057x + 8.061$
RR	$f(x) = 0.0x^3 + 0.0x^2 + 0.057x + 8.061$

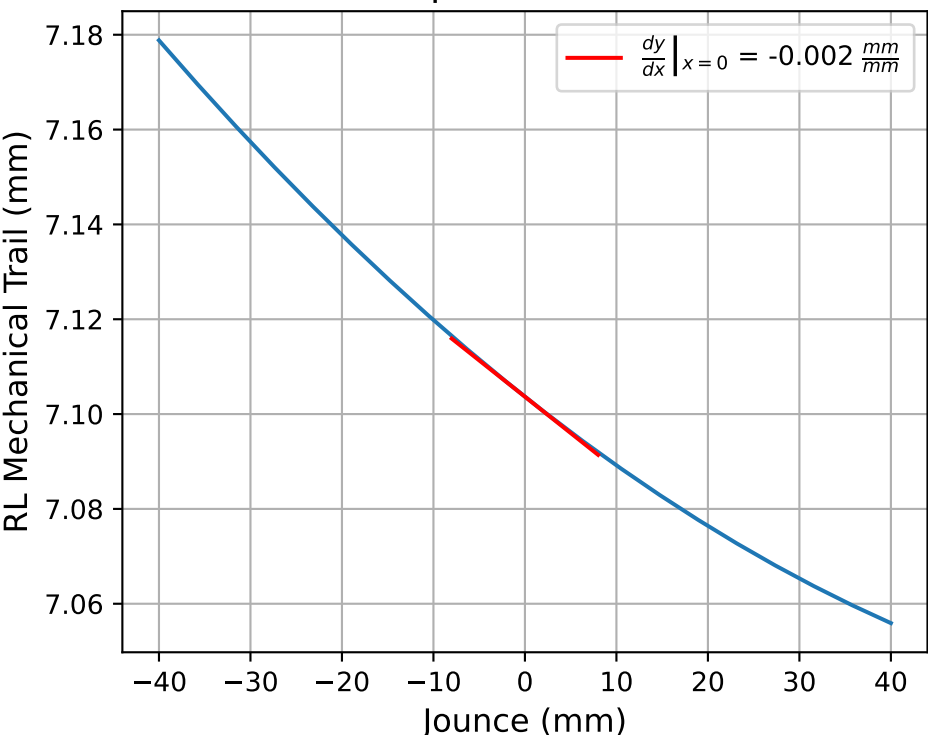
FL Bump Mechanical Trail



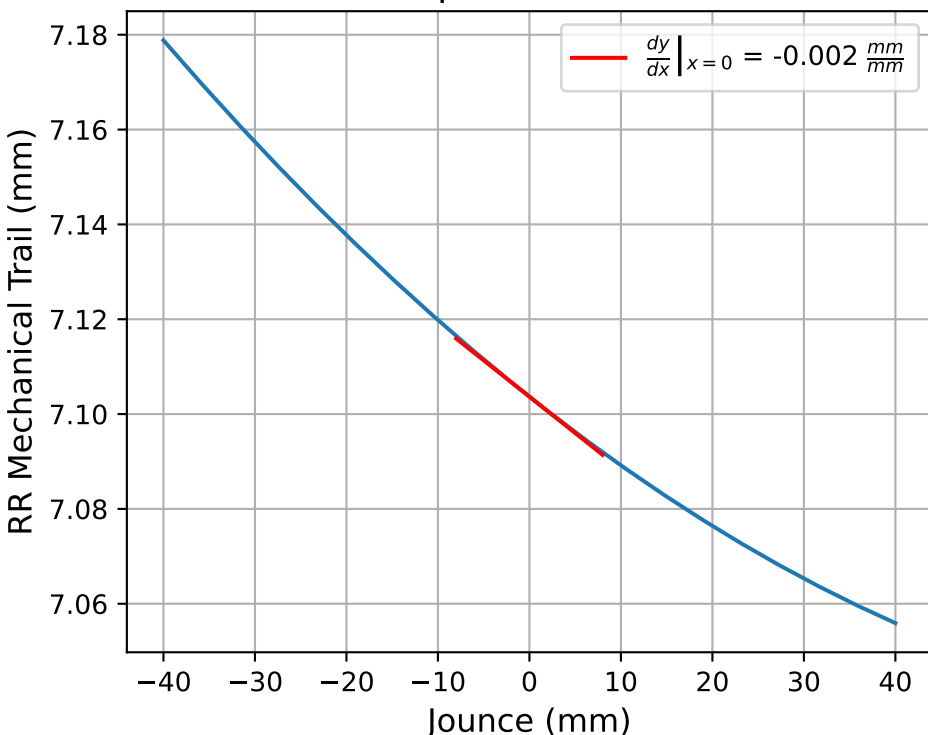
FR Bump Mechanical Trail



RL Bump Mechanical Trail



RR Bump Mechanical Trail



Linear Fit

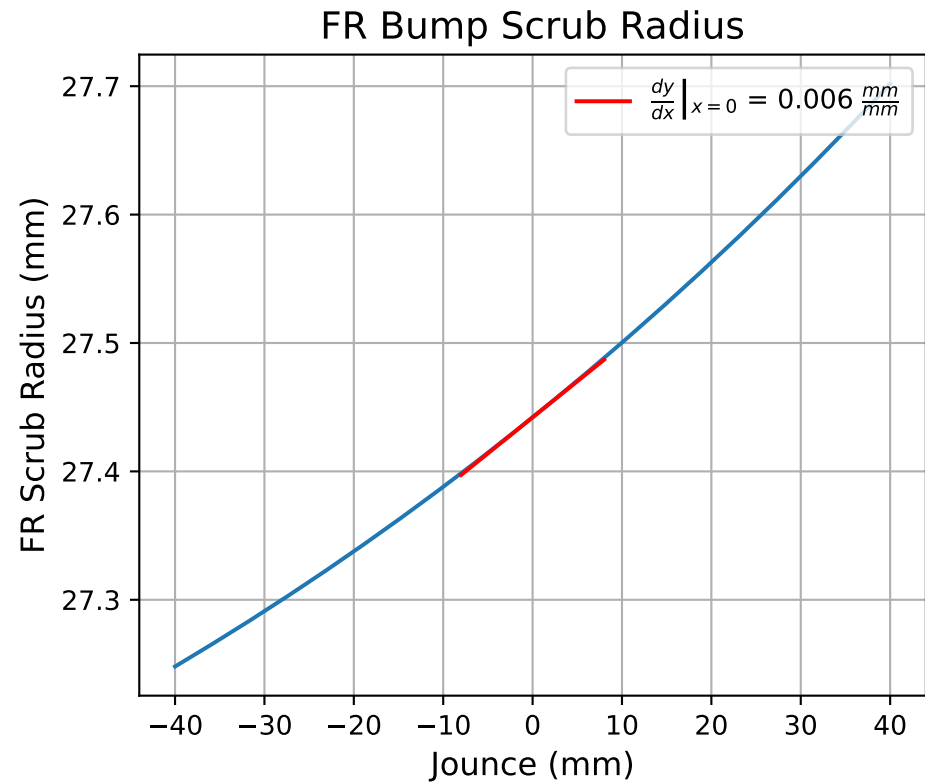
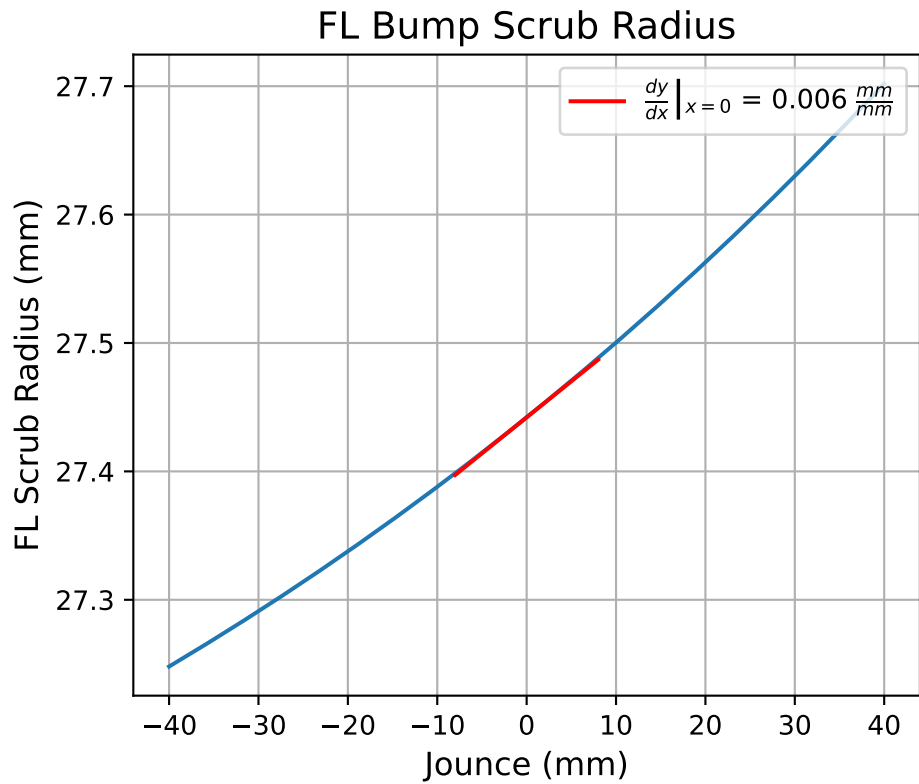
$$f(x) = a_1x + a_0$$

FL	$f(x) = -0.001x + 4.897$
FR	$f(x) = -0.001x + 4.897$
RL	$f(x) = -0.002x + 7.104$
RR	$f(x) = -0.002x + 7.104$

Cubic Fit

$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

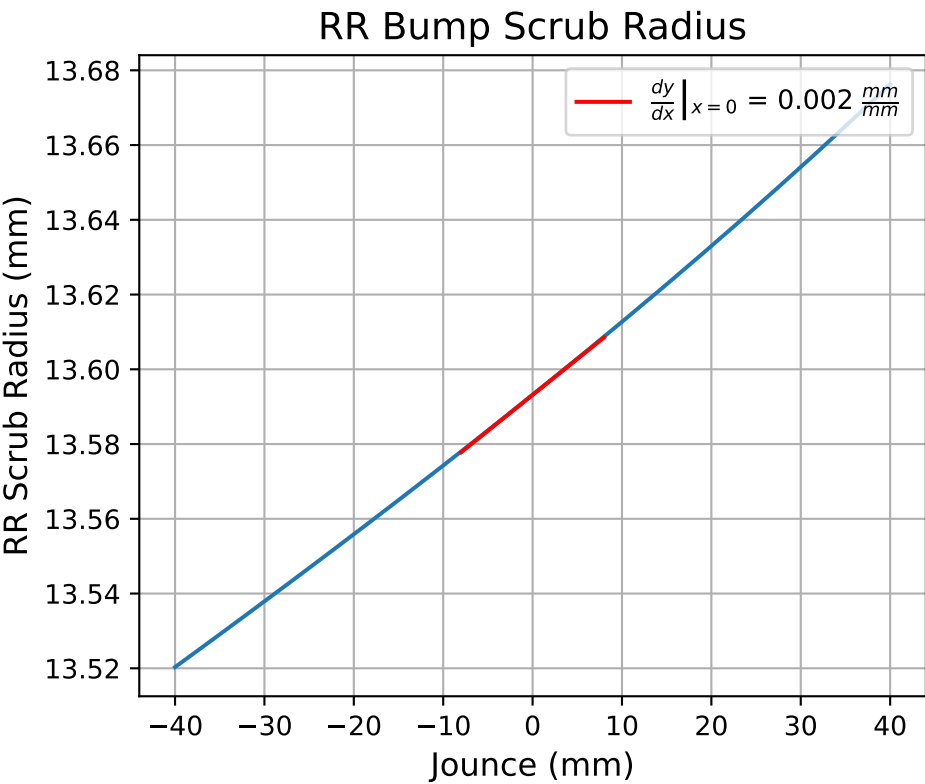
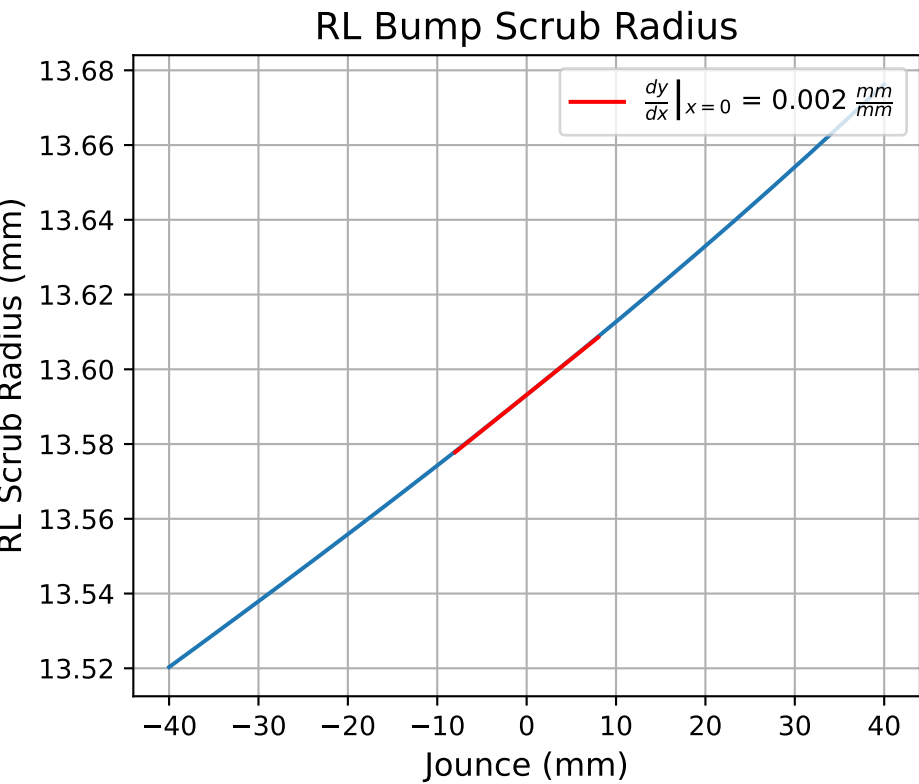
FL	$f(x) = 0.0x^3 + -0.0x^2 + -0.001x + 4.897$
FR	$f(x) = 0.0x^3 + -0.0x^2 + -0.001x + 4.897$
RL	$f(x) = -0.0x^3 + 0.0x^2 + -0.002x + 7.104$
RR	$f(x) = -0.0x^3 + 0.0x^2 + -0.002x + 7.104$



Linear Fit

$$f(x) = a_1x + a_0$$

FL	$f(x) = 0.006x + 27.442$
FR	$f(x) = 0.006x + 27.442$
RL	$f(x) = 0.002x + 13.593$
RR	$f(x) = 0.002x + 13.593$

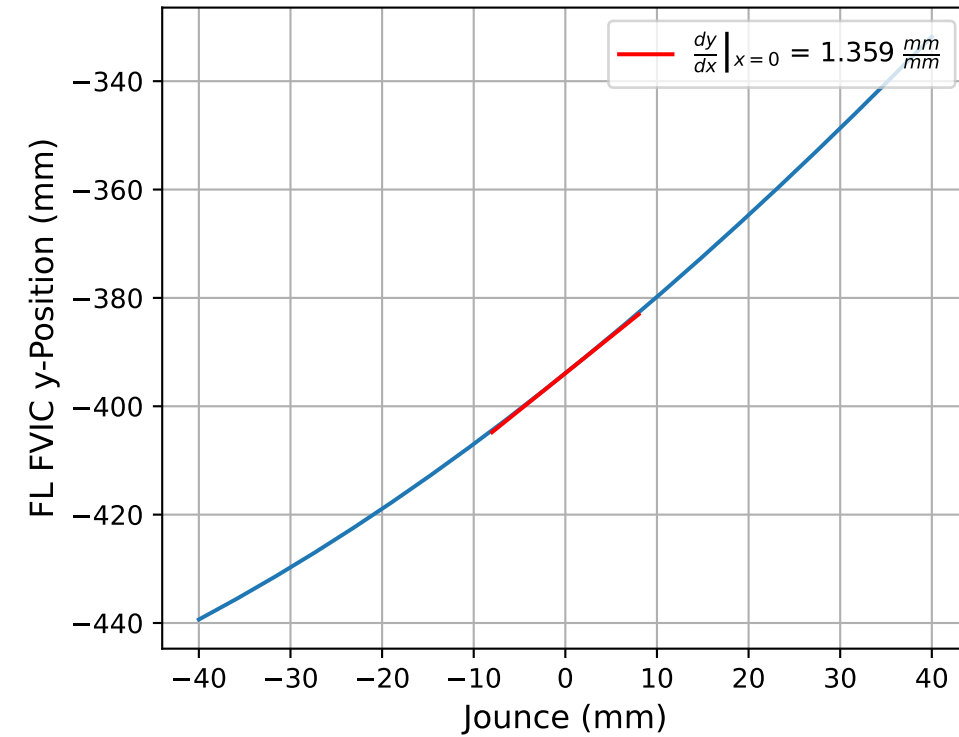


Cubic Fit

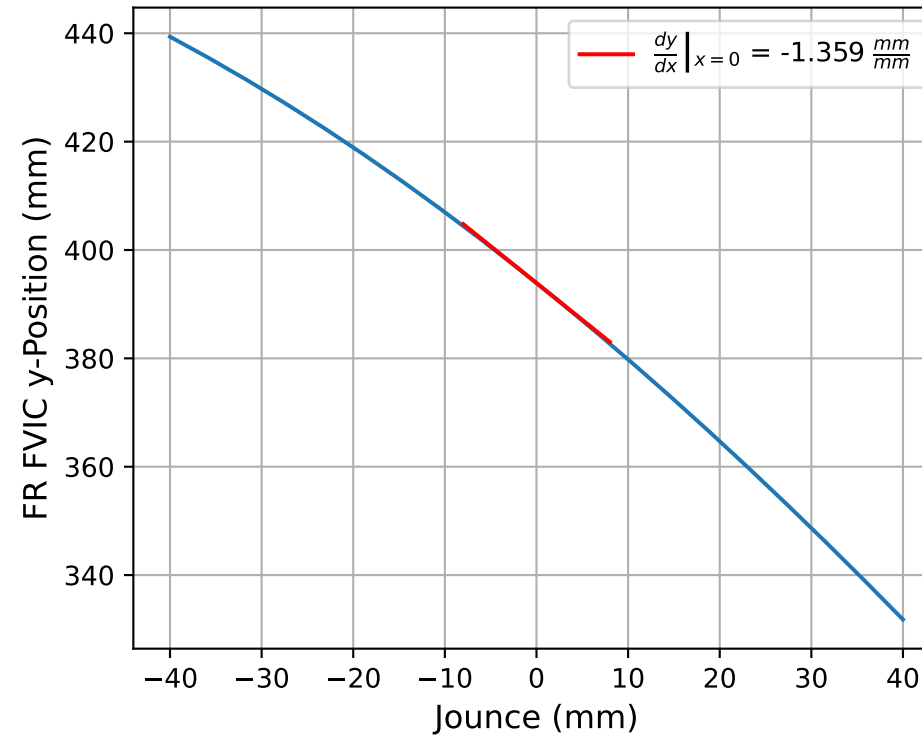
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

FL	$f(x) = 0.0x^3 + 0.0x^2 + 0.006x + 27.442$
FR	$f(x) = 0.0x^3 + 0.0x^2 + 0.006x + 27.442$
RL	$f(x) = 0.0x^3 + 0.0x^2 + 0.002x + 13.593$
RR	$f(x) = 0.0x^3 + 0.0x^2 + 0.002x + 13.593$

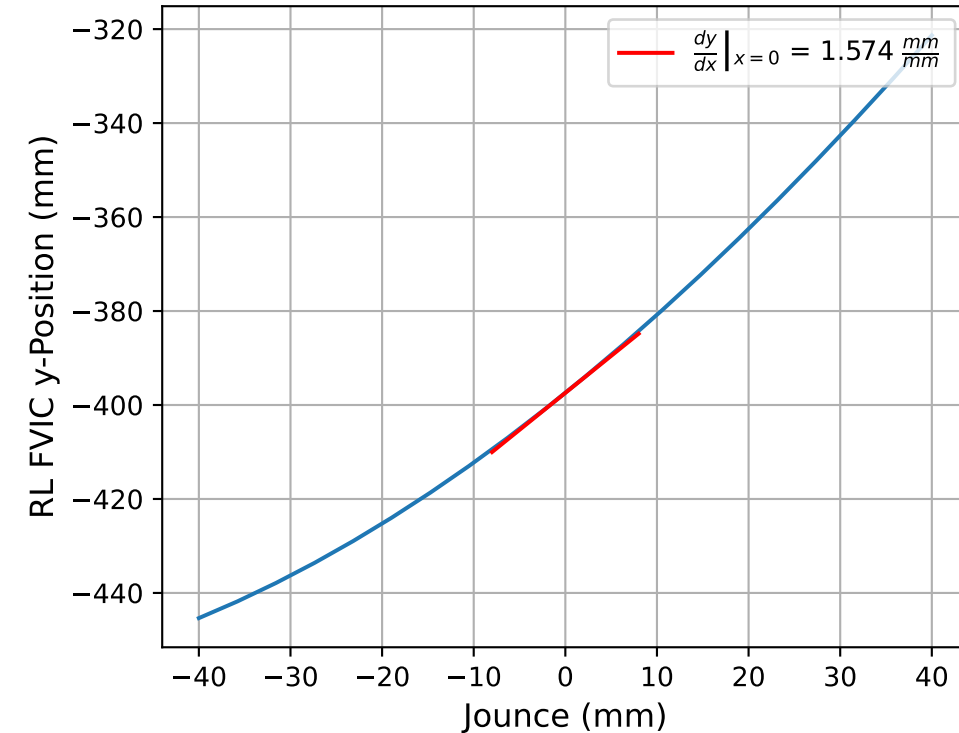
FL Bump FVIC y-Migration



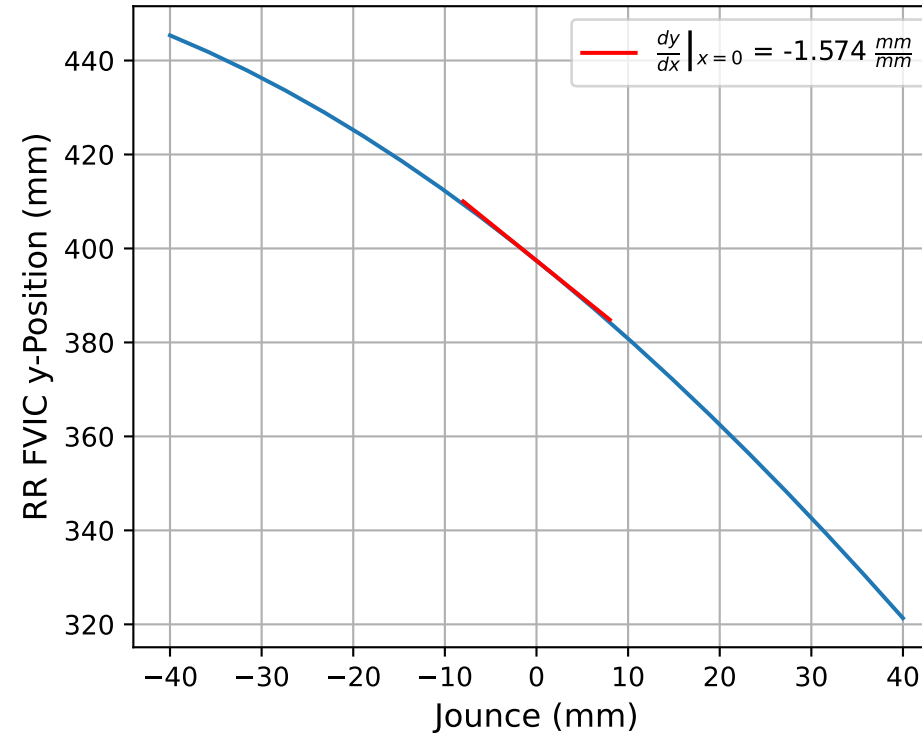
FR Bump FVIC y-Migration



RL Bump FVIC y-Migration



RR Bump FVIC y-Migration



Linear Fit

$$f(x) = a_1x + a_0$$

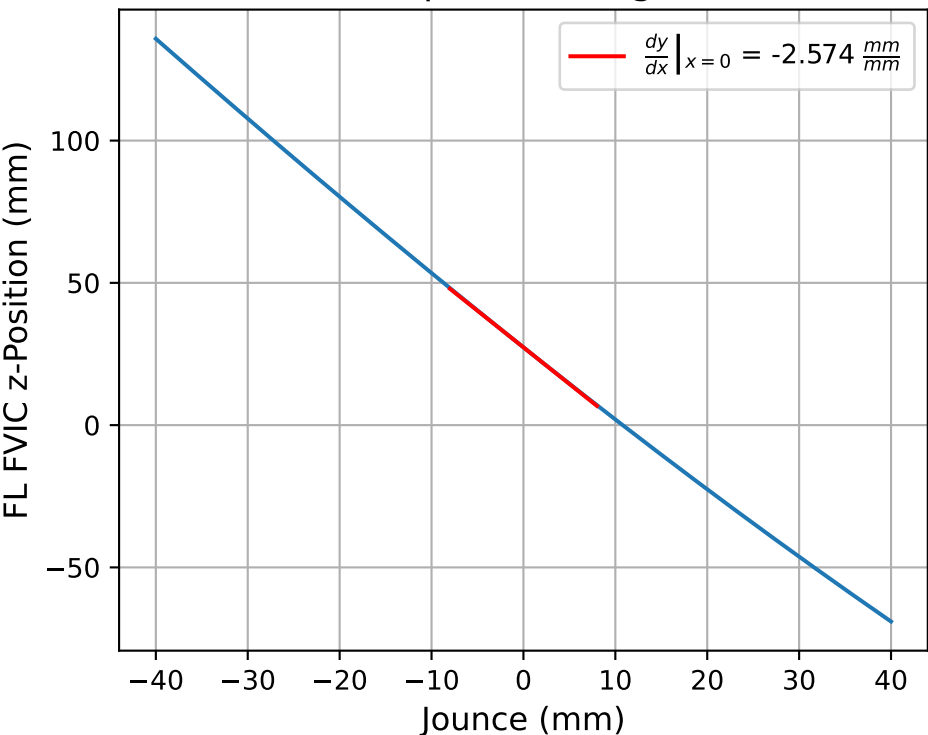
FL	$f(x) = 1.359x + -393.907$
FR	$f(x) = -1.359x + 393.907$
RL	$f(x) = 1.574x + -397.417$
RR	$f(x) = -1.574x + 397.417$

Cubic Fit

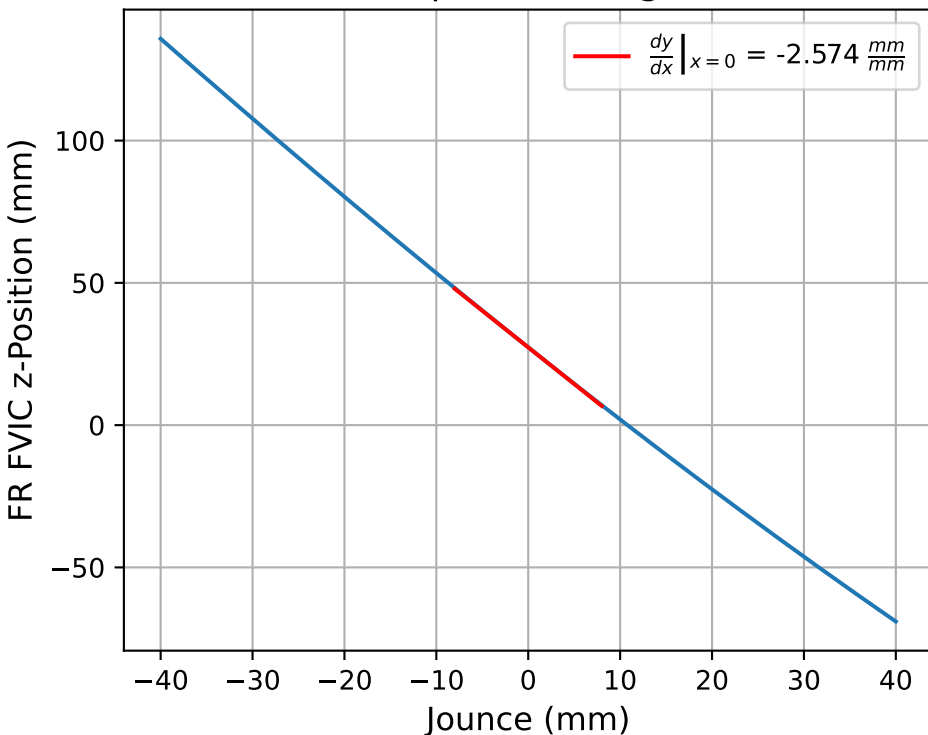
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

FL	$f(x) = -0.0x^3 + 0.005x^2 + 1.359x + -393.906$
FR	$f(x) = 0.0x^3 + -0.005x^2 + -1.359x + 393.906$
RL	$f(x) = -0.0x^3 + 0.009x^2 + 1.574x + -397.413$
RR	$f(x) = 0.0x^3 + -0.009x^2 + -1.574x + 397.413$

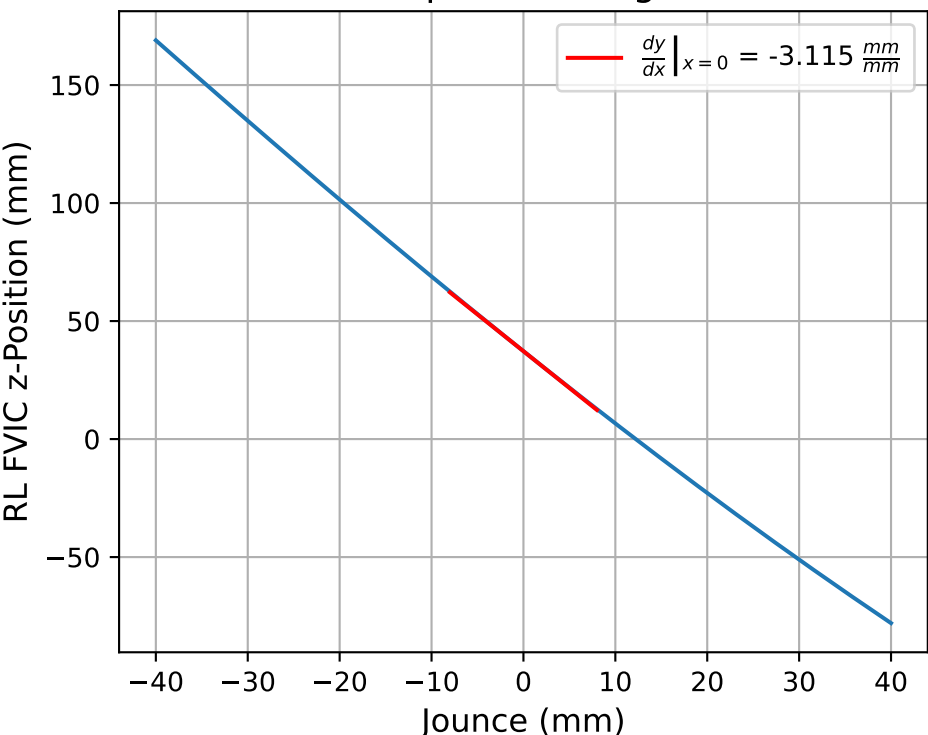
FL Bump FVIC z-Migration



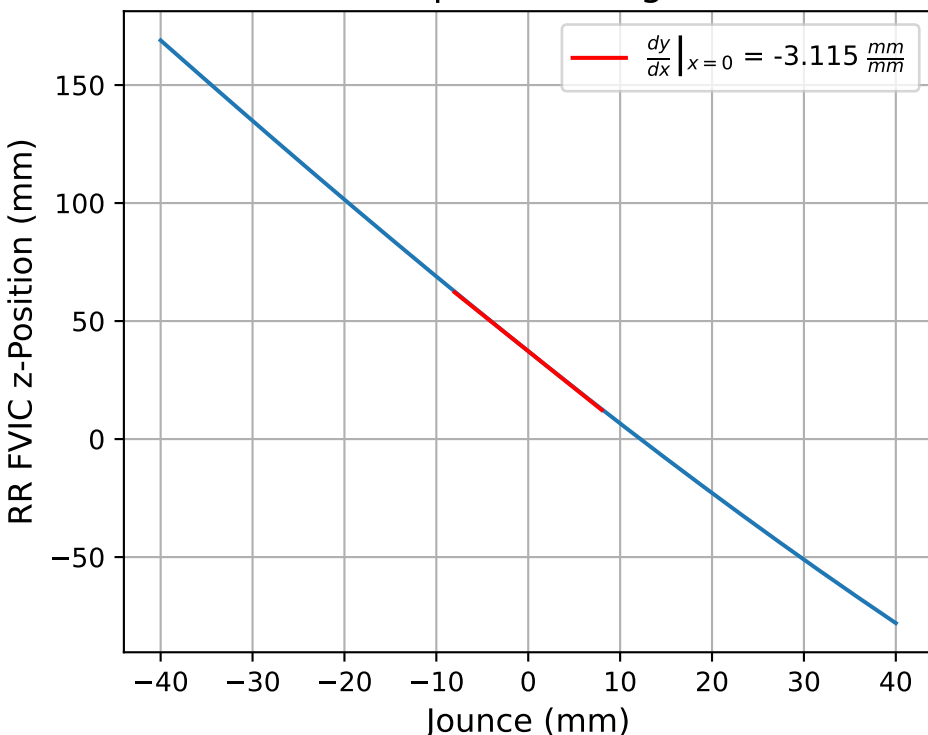
FR Bump FVIC z-Migration



RL Bump FVIC z-Migration



RR Bump FVIC z-Migration



Linear Fit

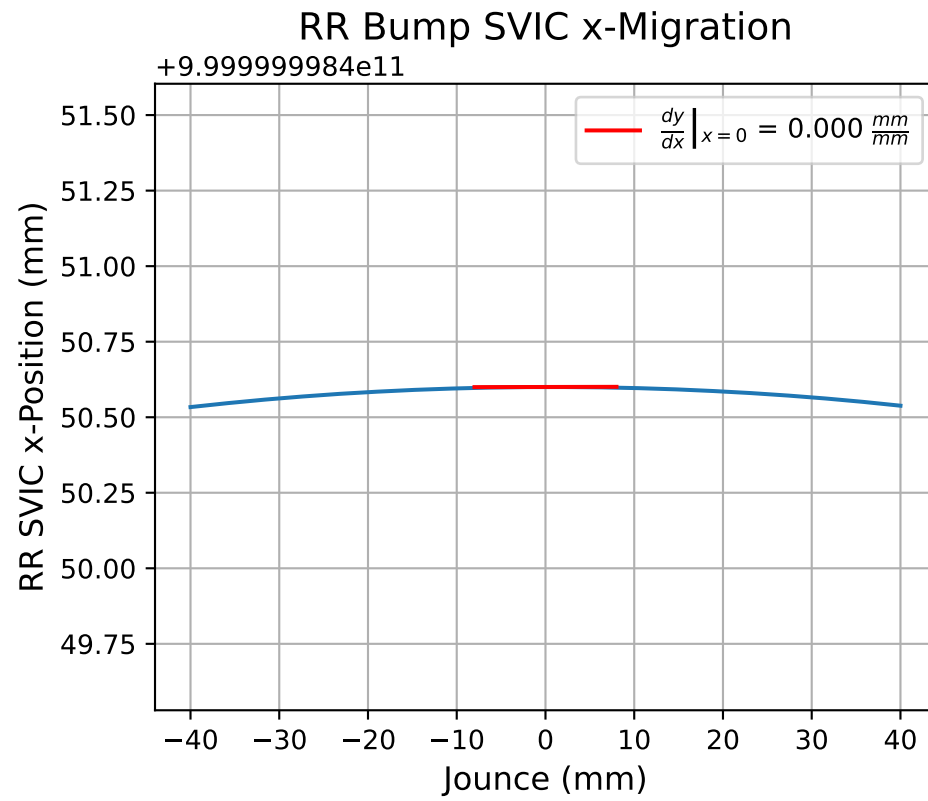
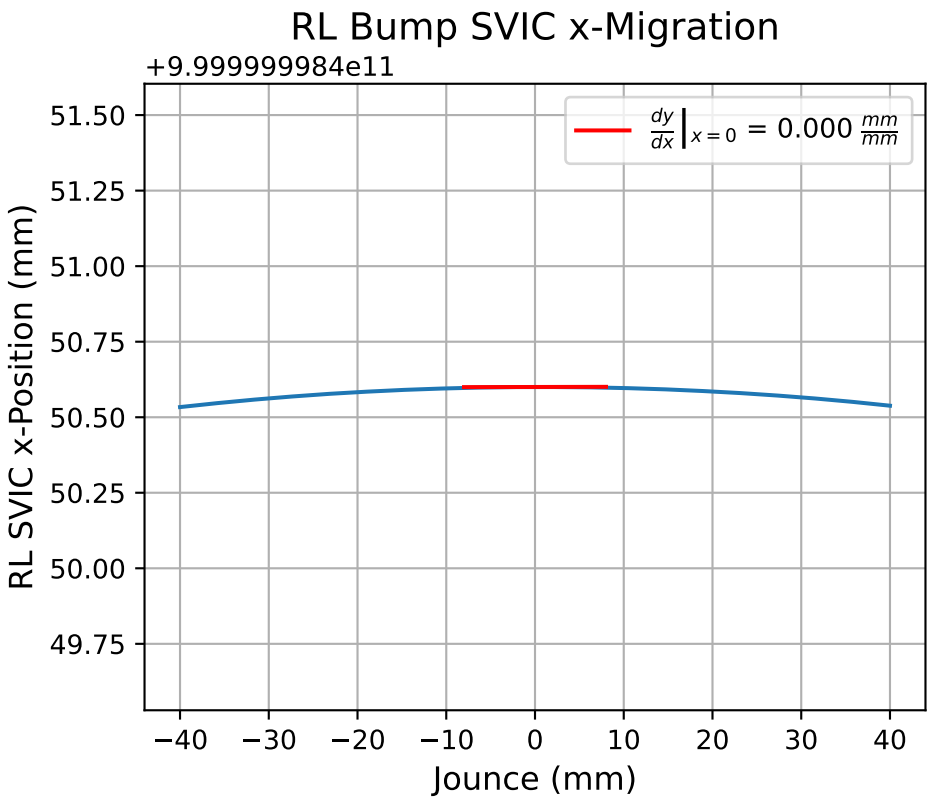
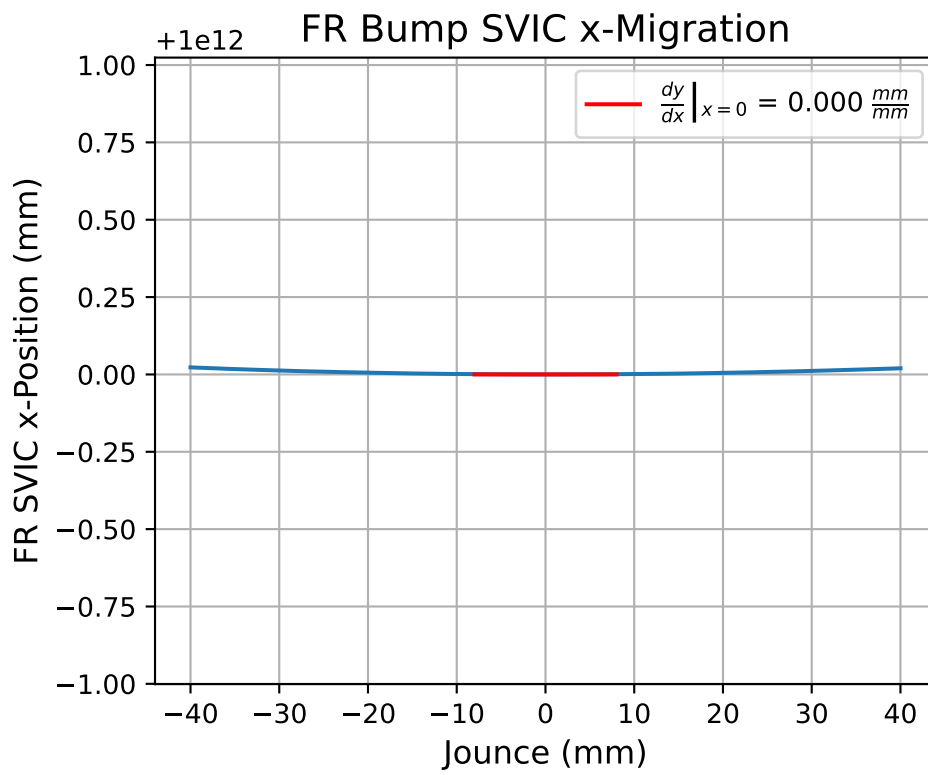
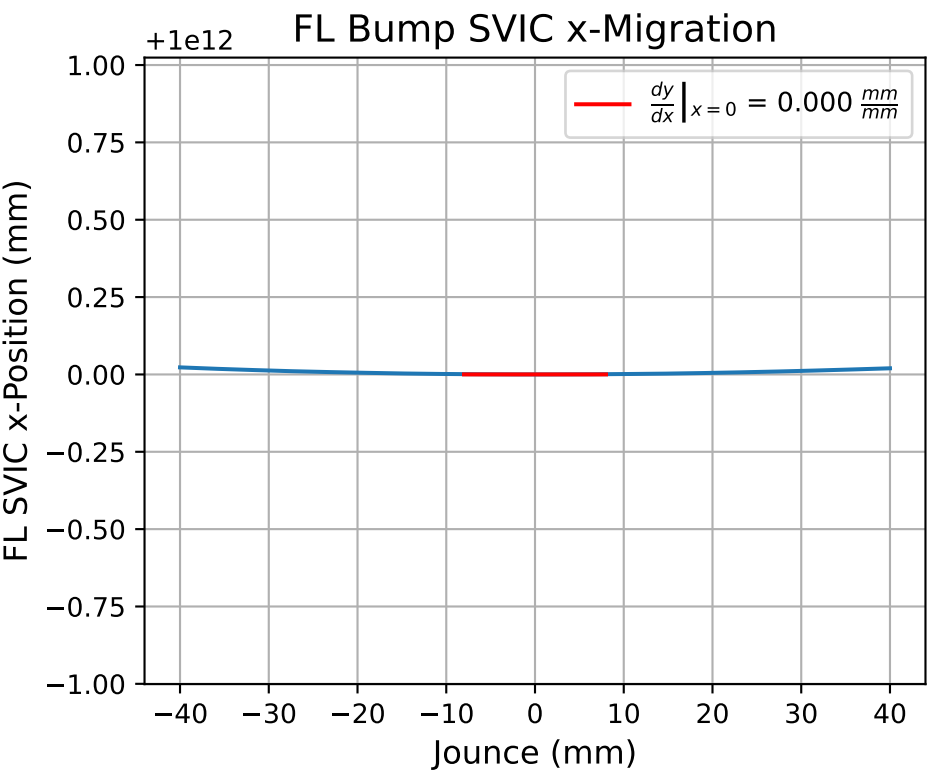
$$f(x) = a_1x + a_0$$

FL	$f(x) = -2.574x + 27.34$
FR	$f(x) = -2.574x + 27.34$
RL	$f(x) = -3.115x + 37.239$
RR	$f(x) = -3.115x + 37.239$

Cubic Fit

$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

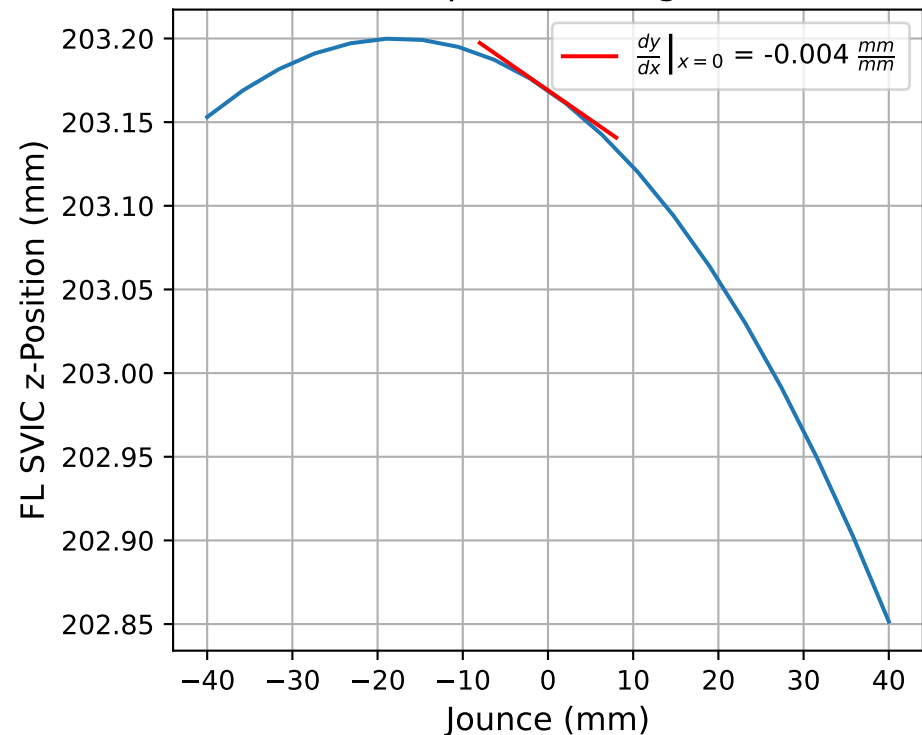
FL	$f(x) = 0.0x^3 + 0.004x^2 + -2.574x + 27.343$
FR	$f(x) = 0.0x^3 + 0.004x^2 + -2.574x + 27.343$
RL	$f(x) = 0.0x^3 + 0.005x^2 + -3.115x + 37.245$
RR	$f(x) = 0.0x^3 + 0.005x^2 + -3.115x + 37.245$



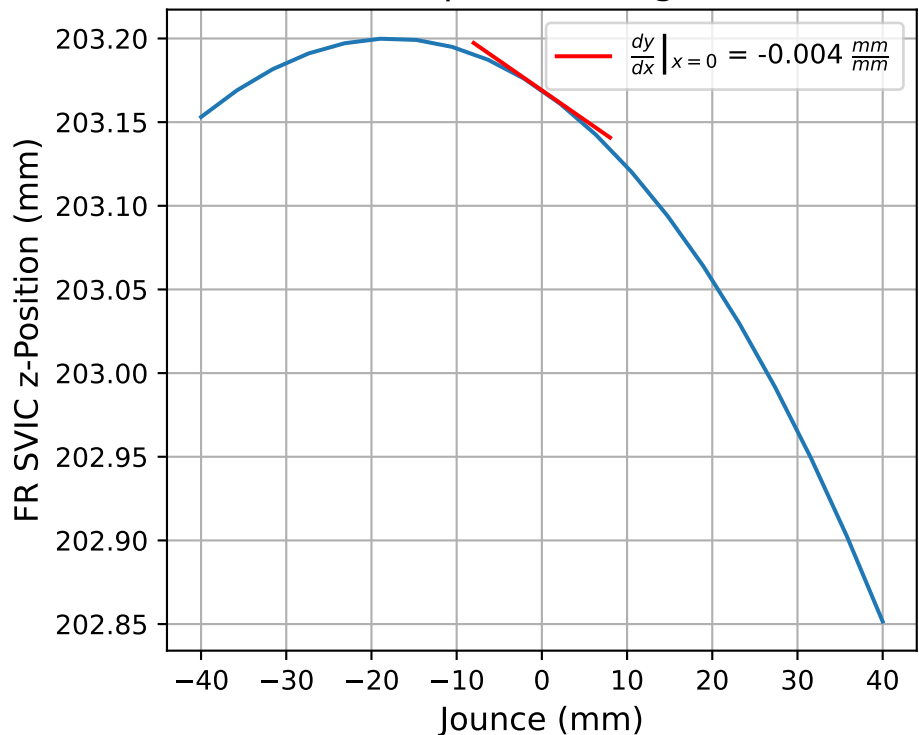
Linear Fit		$f(x) = a_1x + a_0$
FL		$f(x) = 0.0x + 1.000e+12$
FR		$f(x) = 0.0x + 1.000e+12$
RL		$f(x) = 0.0x + 1.000e+12$
RR		$f(x) = 0.0x + 1.000e+12$

Cubic Fit		$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$
FL		$f(x) = 0.0x^3 + 0.0x^2 + -0.0x + 1.0e+12$
FR		$f(x) = 0.0x^3 + 0.0x^2 + -0.0x + 1.0e+12$
RL		$f(x) = 0.0x^3 + -0.0x^2 + 0.0x + 1.0e+12$
RR		$f(x) = 0.0x^3 + -0.0x^2 + 0.0x + 1.0e+12$

FL Bump SVIC z-Migration



FR Bump SVIC z-Migration

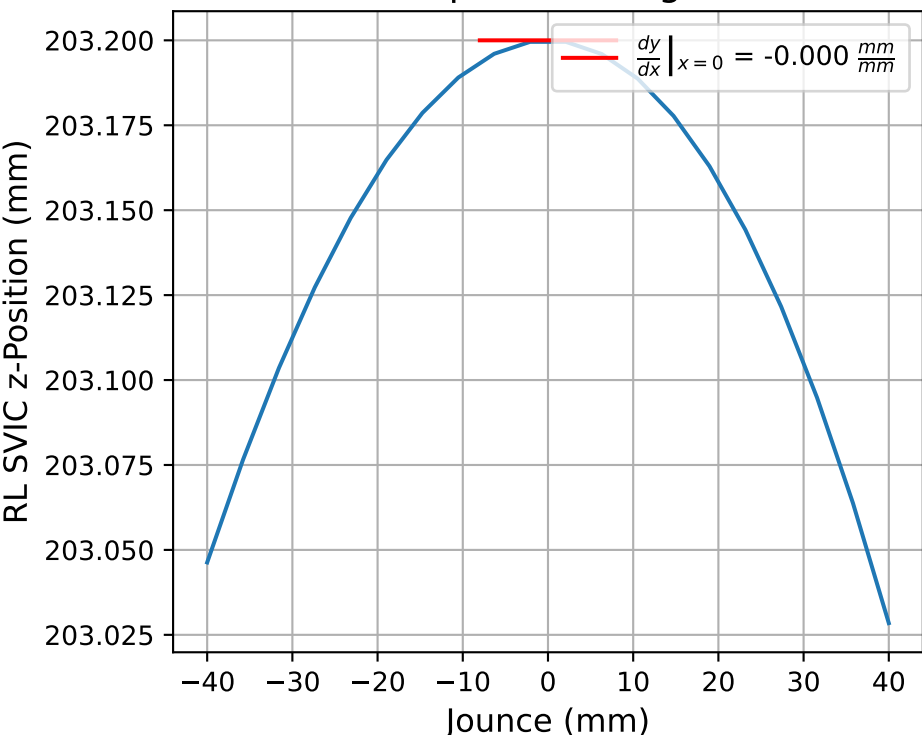


Linear Fit

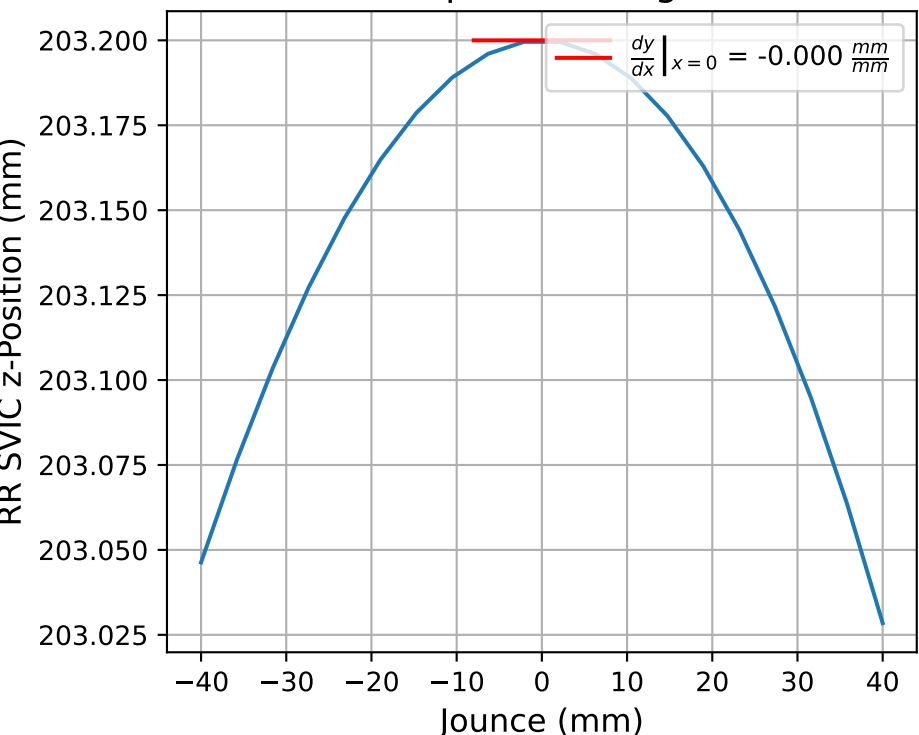
$$f(x) = a_1x + a_0$$

FL	$f(x) = -0.004x + 203.169$
FR	$f(x) = -0.004x + 203.169$
RL	$f(x) = -0.0x + 203.2$
RR	$f(x) = -0.0x + 203.2$

RL Bump SVIC z-Migration



RR Bump SVIC z-Migration

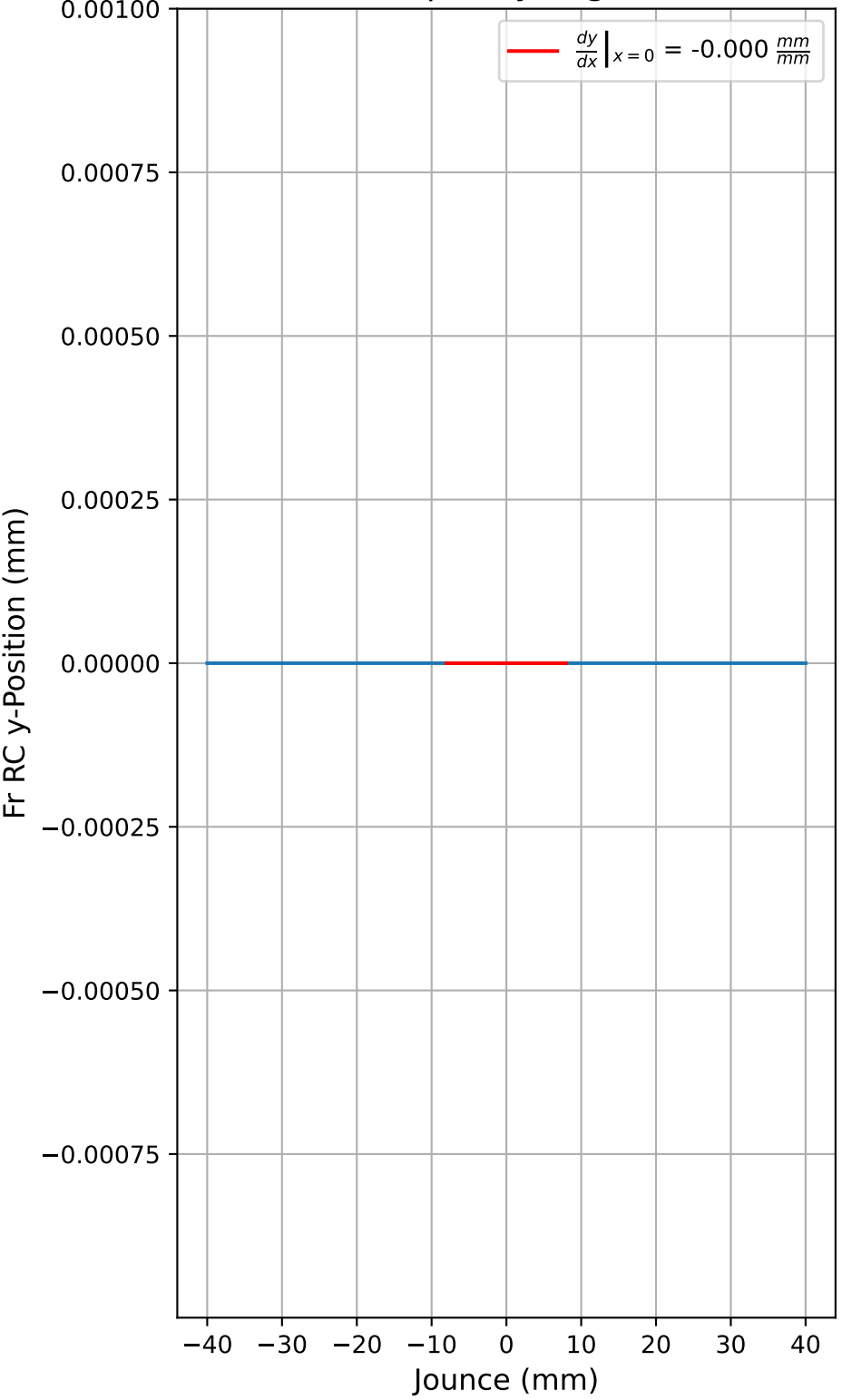


Cubic Fit

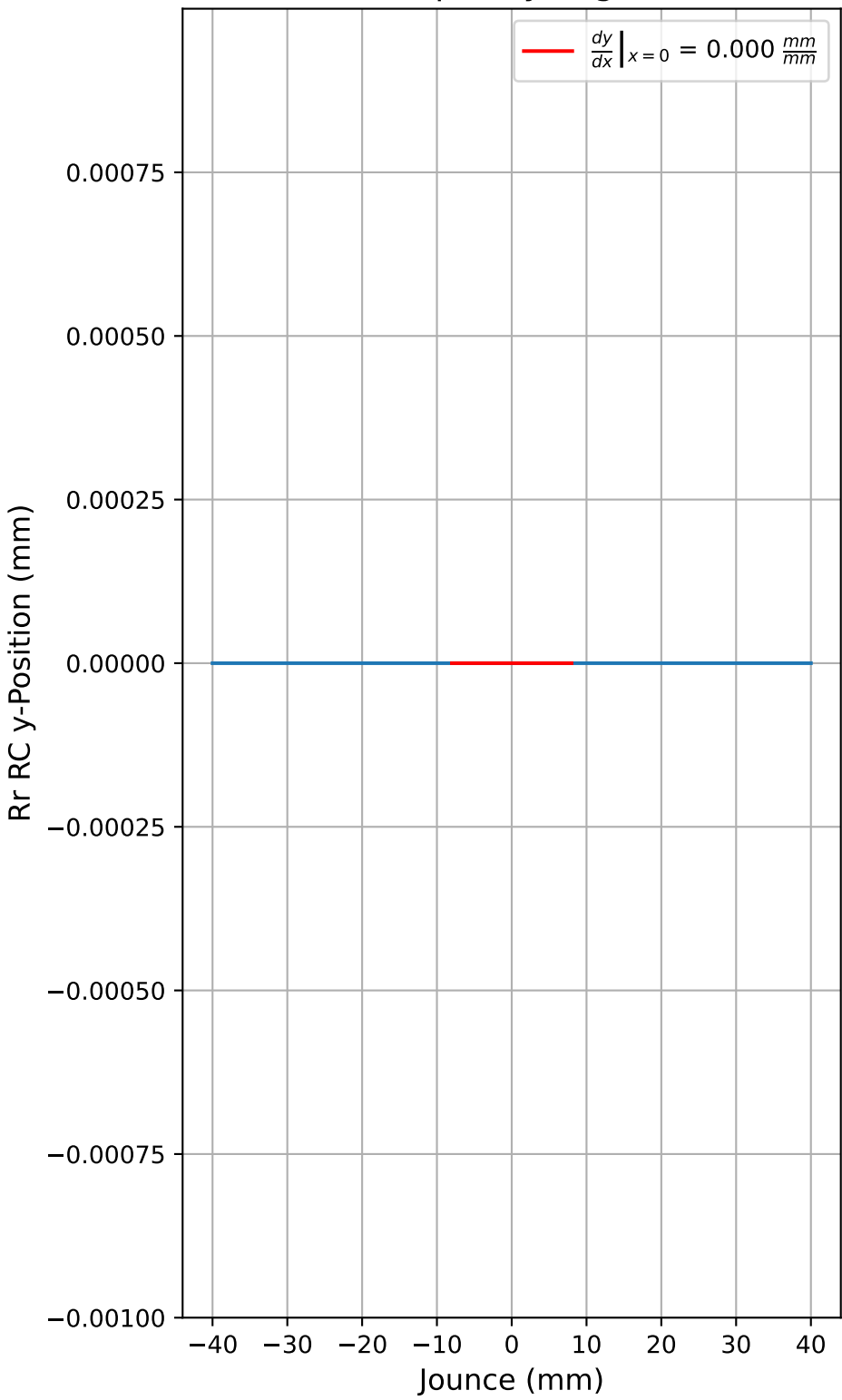
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

FL	$f(x) = -0.0x^3 + -0.0x^2 + -0.004x + 203.169$
FR	$f(x) = -0.0x^3 + -0.0x^2 + -0.004x + 203.169$
RL	$f(x) = -0.0x^3 + -0.0x^2 + 0.0x + 203.2$
RR	$f(x) = -0.0x^3 + -0.0x^2 + 0.0x + 203.2$

Fr Bump RC y-Migration



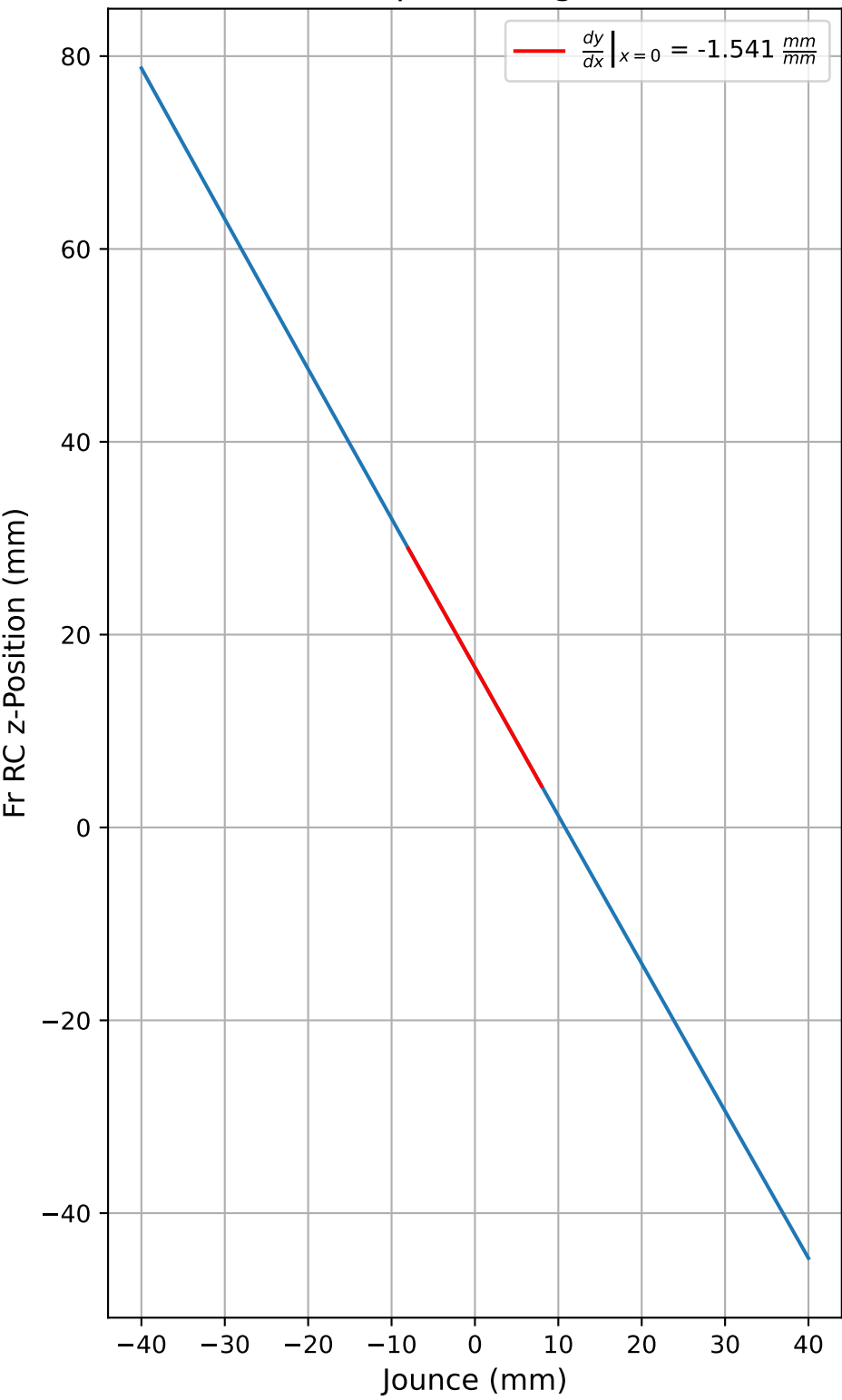
Rr Bump RC y-Migration



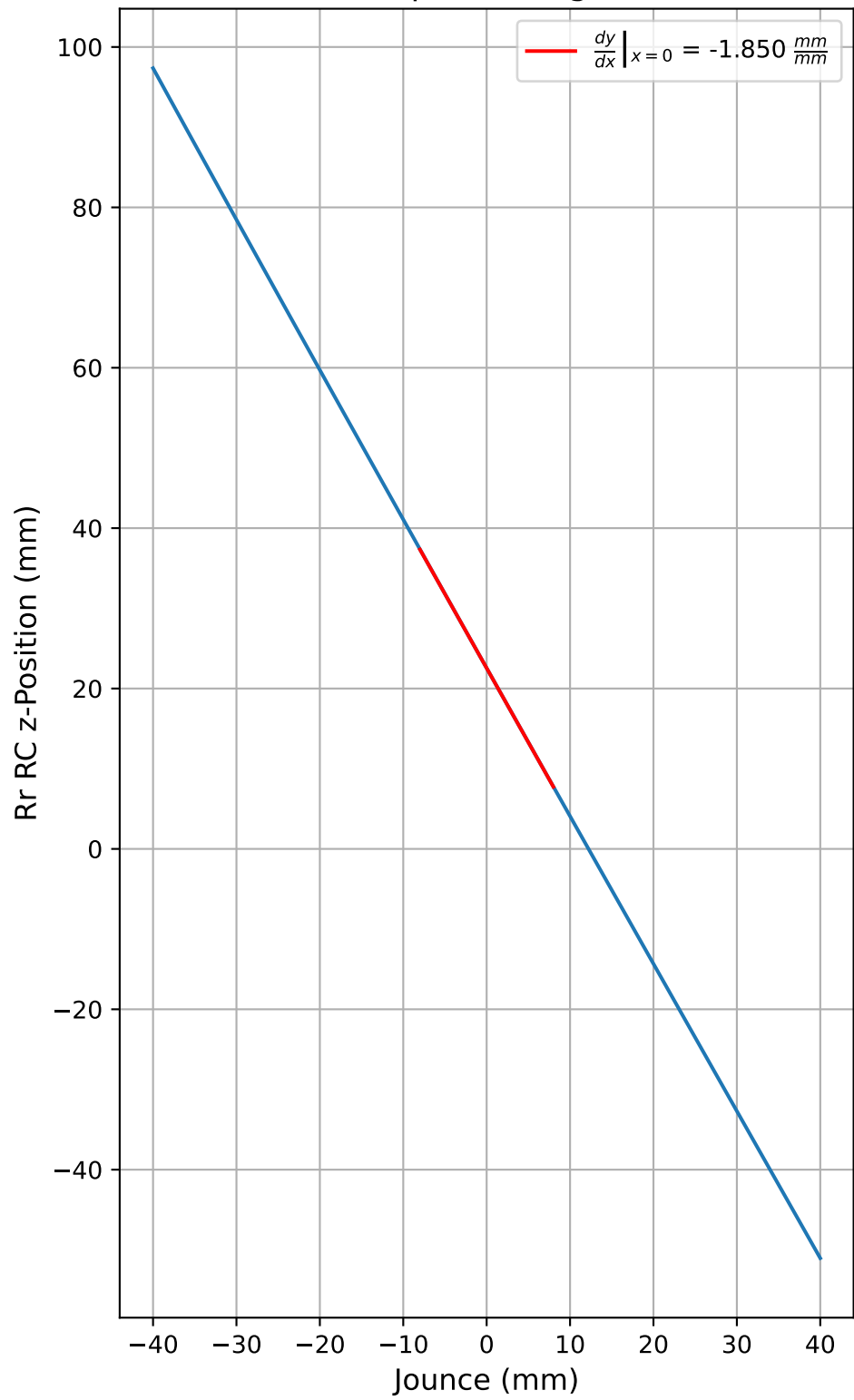
Linear Fit		$f(x) = a_1x + a_0$
Fr	$f(x) = -0.0x + -0.0$	
Rr	$f(x) = 0.0x + -0.0$	

Cubic Fit		$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$
Fr	$f(x) = -0.0x^3 + -0.0x^2 + 0.0x + 0.0$	
Rr	$f(x) = 0.0x^3 + 0.0x^2 + -0.0x + -0.0$	

Fr Bump RC z-Migration



Rr Bump RC z-Migration



Linear Fit

$f(x) = a_1x + a_0$

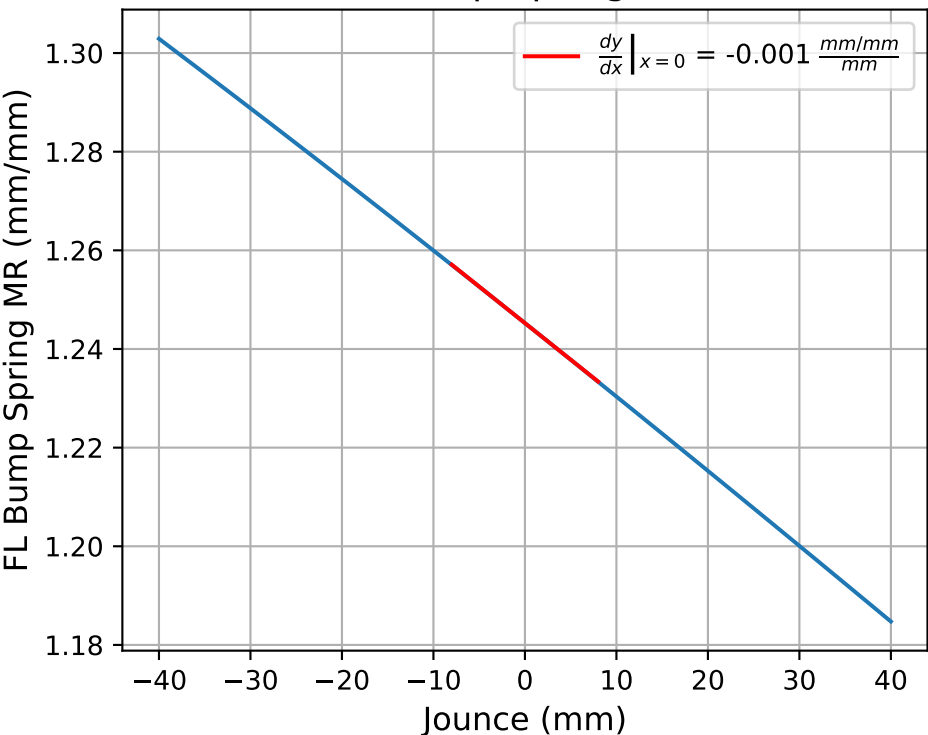
Fr	$f(x) = -1.541x + 16.608$
Rr	$f(x) = -1.85x + 22.543$

Cubic Fit

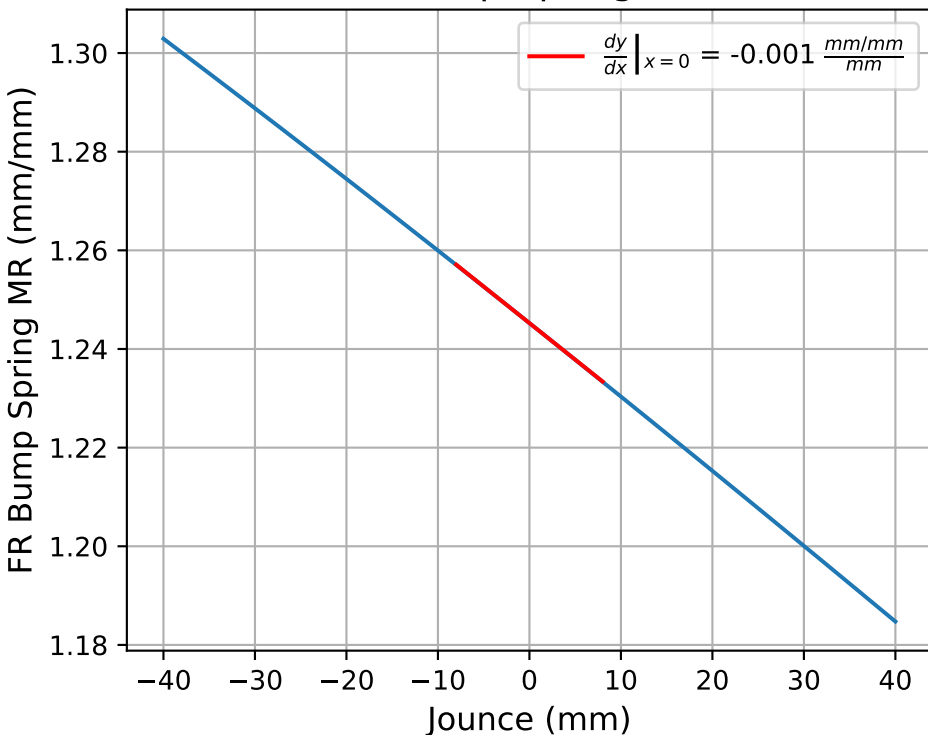
$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$

Fr	$f(x) = -0.0x^3 + 0.0x^2 + -1.541x + 16.607$
Rr	$f(x) = -0.0x^3 + 0.0x^2 + -1.85x + 22.541$

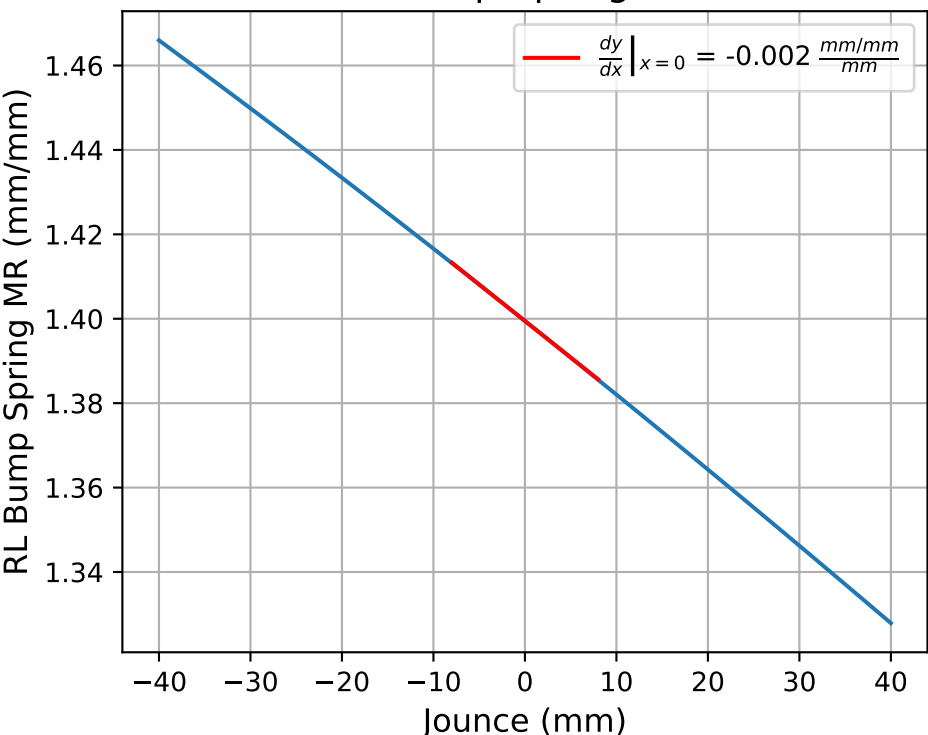
FL Bump Spring MRs



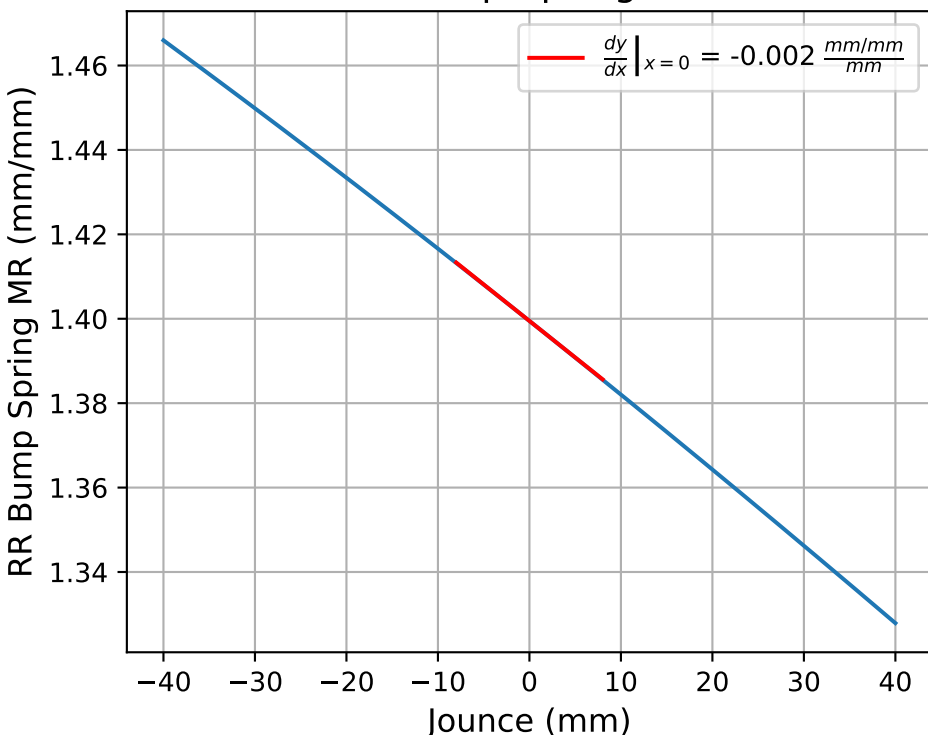
FR Bump Spring MRs



RL Bump Spring MRs



RR Bump Spring MRs



Linear Fit

$f(x) = a_1x + a_0$

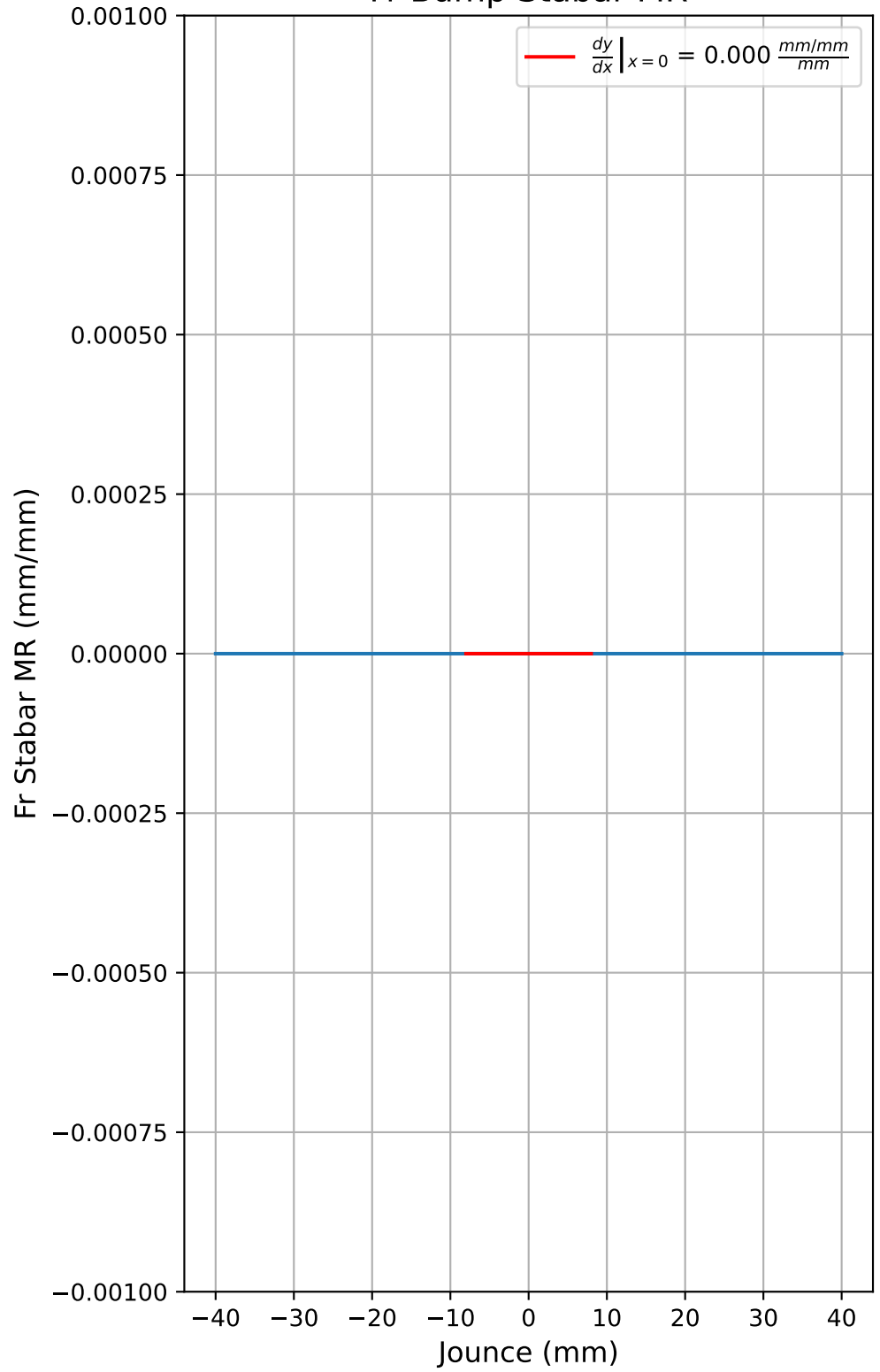
FL	$f(x) = -0.001x + 1.245$
FR	$f(x) = -0.001x + 1.245$
RL	$f(x) = -0.002x + 1.399$
RR	$f(x) = -0.002x + 1.399$

Cubic Fit

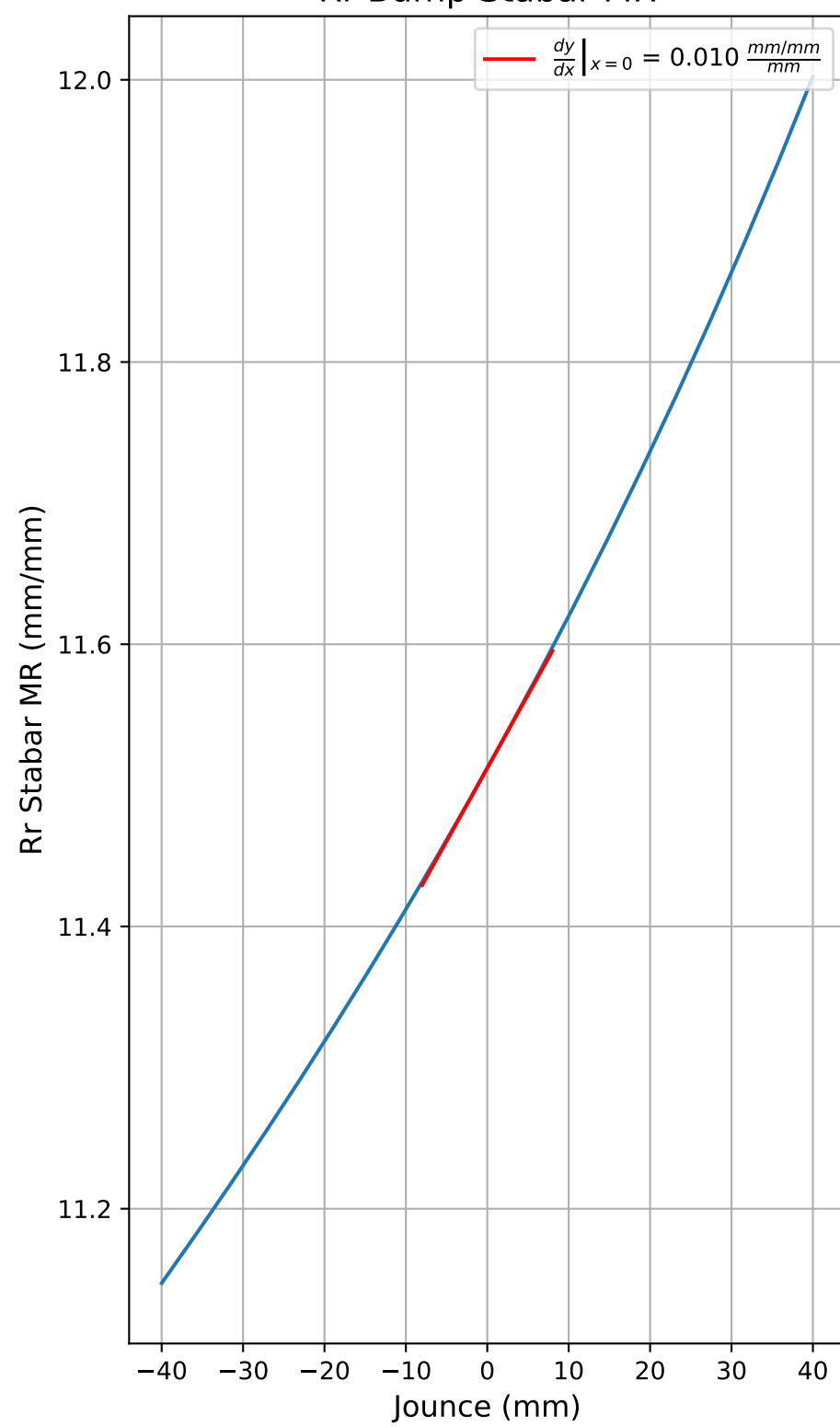
$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$

FL	$f(x) = 0.0x^3 + -0.0x^2 + -0.001x + 1.245$
FR	$f(x) = 0.0x^3 + -0.0x^2 + -0.001x + 1.245$
RL	$f(x) = 0.0x^3 + -0.0x^2 + -0.002x + 1.399$
RR	$f(x) = 0.0x^3 + -0.0x^2 + -0.002x + 1.399$

Fr Bump Stabar MR



Rr Bump Stabar MR



Linear Fit

$$f(x) = a_1x + a_0$$

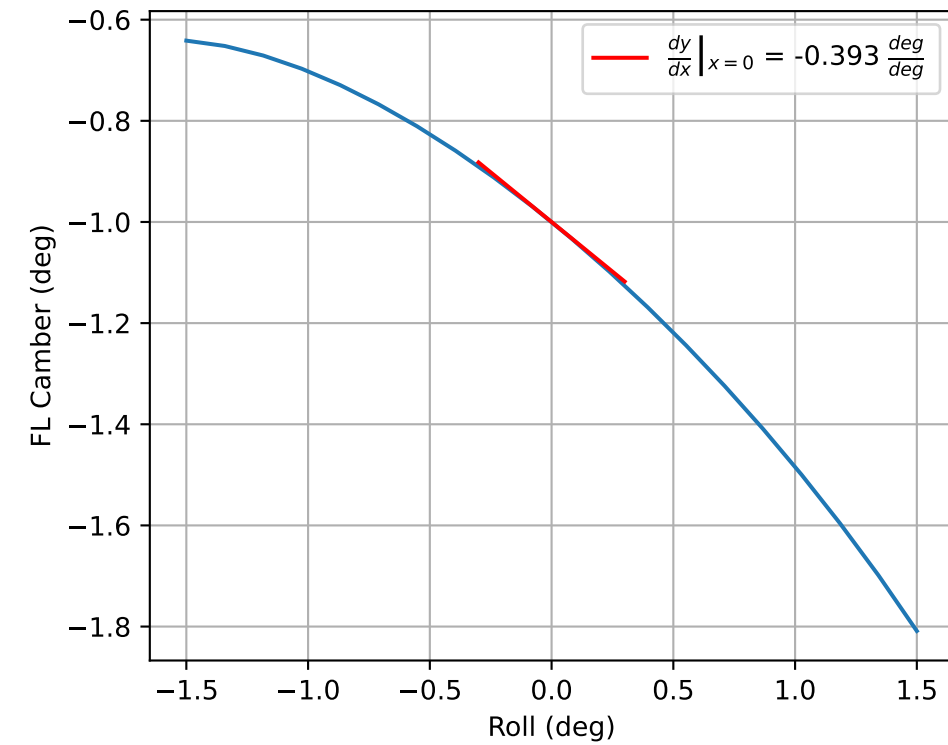
Fr	$f(x) = 0.0x + 0.0$
Rr	$f(x) = 0.01x + 11.512$

Cubic Fit

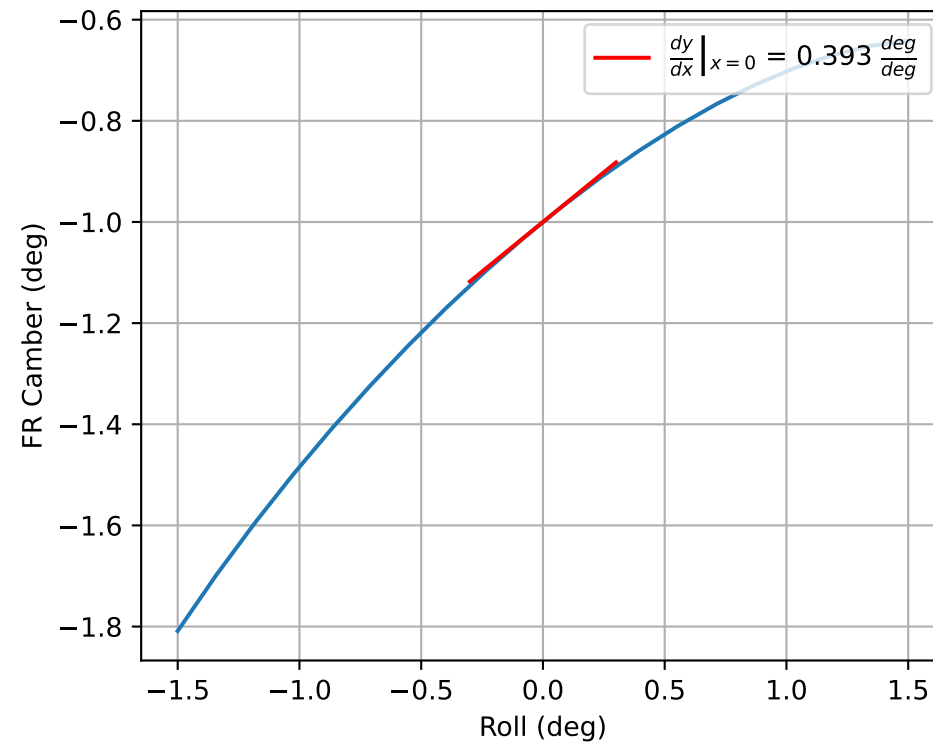
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

Fr	$f(x) = 0.0x^3 + 0.0x^2 + 0.0x + 0.0$
Rr	$f(x) = 0.0x^3 + 0.0x^2 + 0.01x + 11.512$

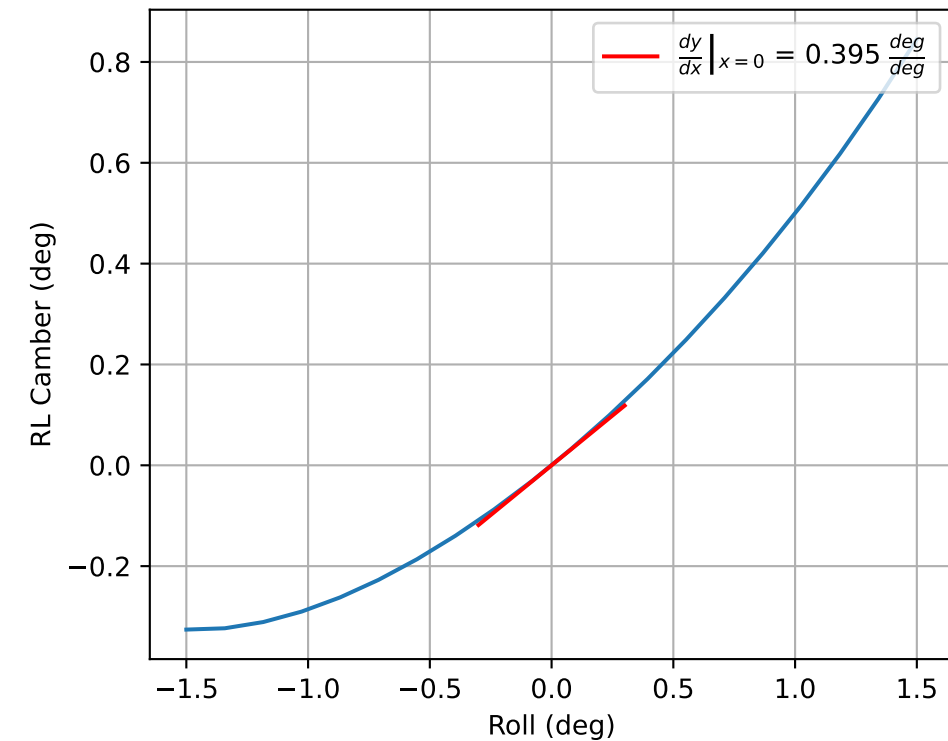
FL Roll Camber



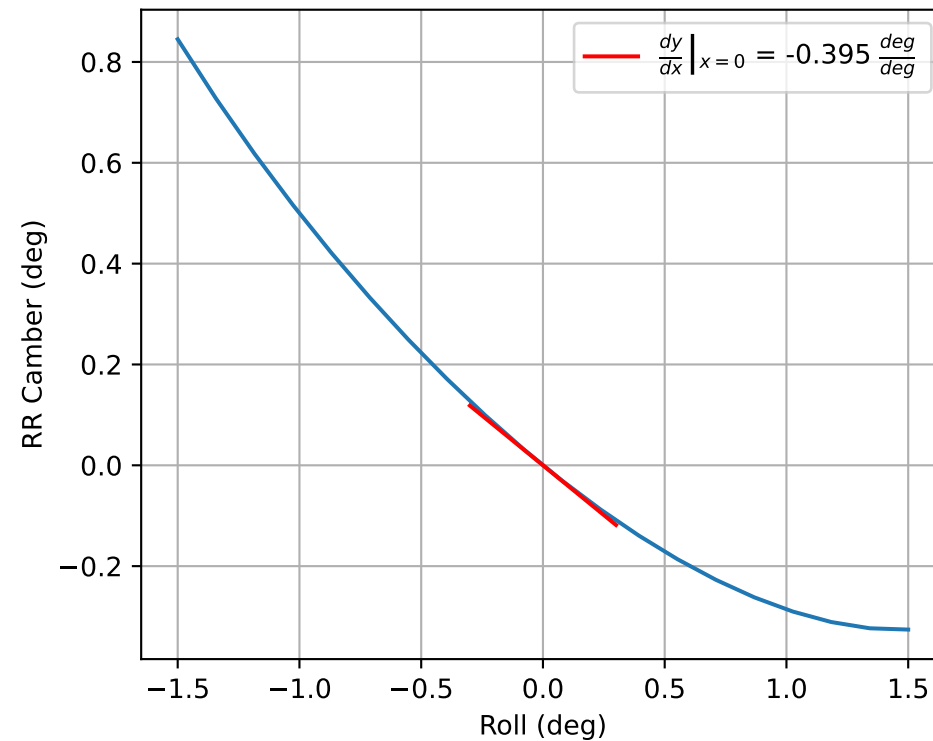
FR Roll Camber



RL Roll Camber



RR Roll Camber



Linear Fit

$$f(x) = a_1x + a_0$$

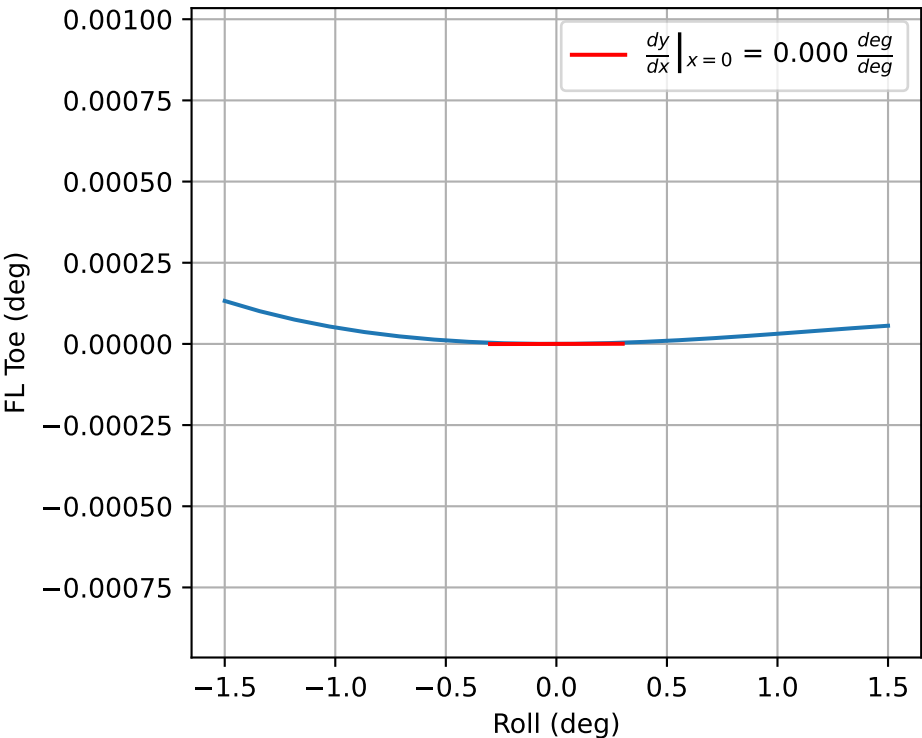
FL	$f(x) = -0.393x + -1.0$
FR	$f(x) = 0.393x + -1.0$
RL	$f(x) = 0.395x + -0.0$
RR	$f(x) = -0.395x + -0.0$

Cubic Fit

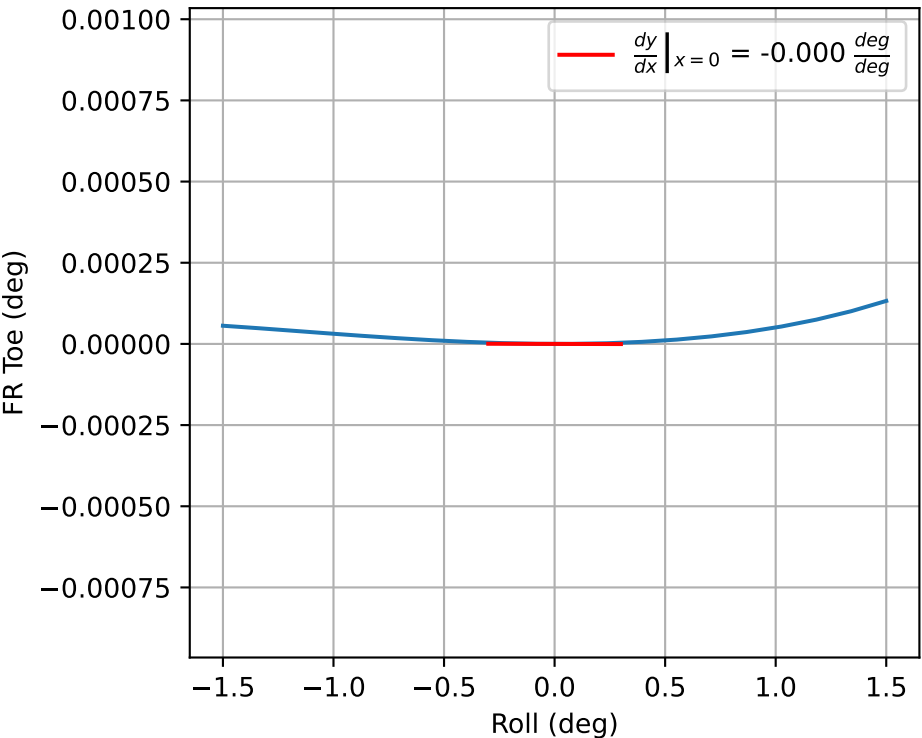
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

FL	$f(x) = 0.002x^3 + -0.099x^2 + -0.393x + -0.997$
FR	$f(x) = -0.002x^3 + -0.099x^2 + 0.393x + -0.997$
RL	$f(x) = -0.002x^3 + 0.114x^2 + 0.395x + -0.003$
RR	$f(x) = 0.002x^3 + 0.114x^2 + -0.395x + -0.003$

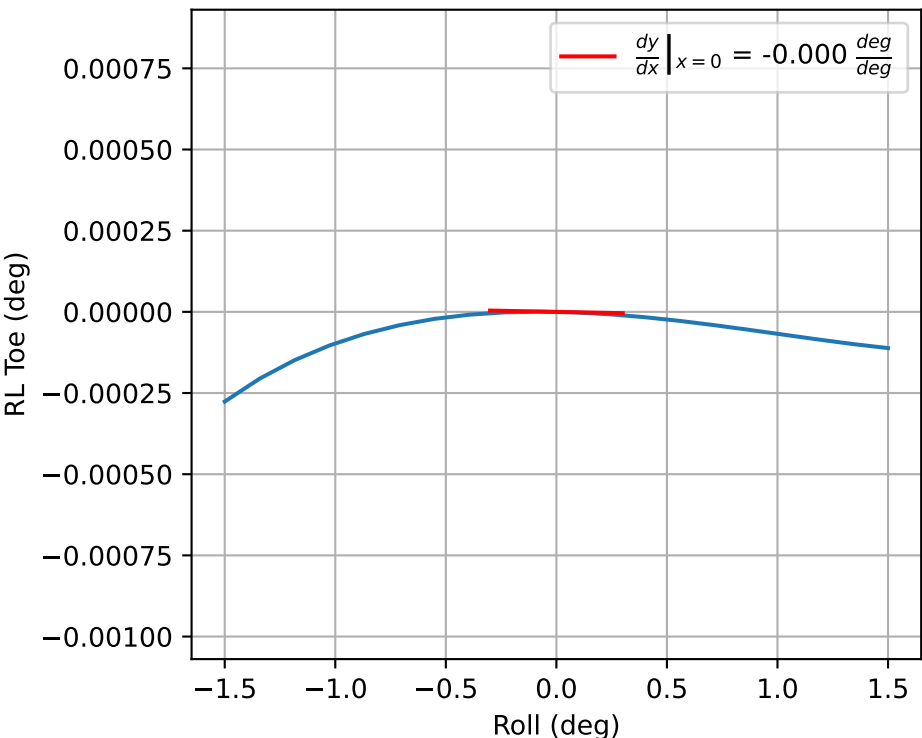
FL Roll Toe



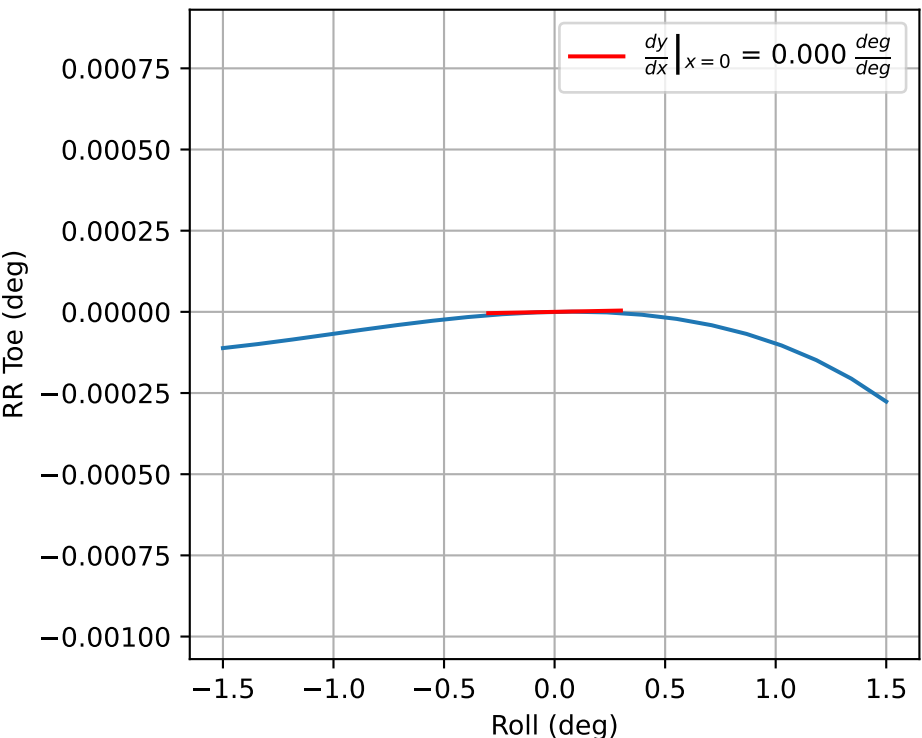
FR Roll Toe



RL Roll Toe



RR Roll Toe



Linear Fit

$f(x) = a_1x + a_0$

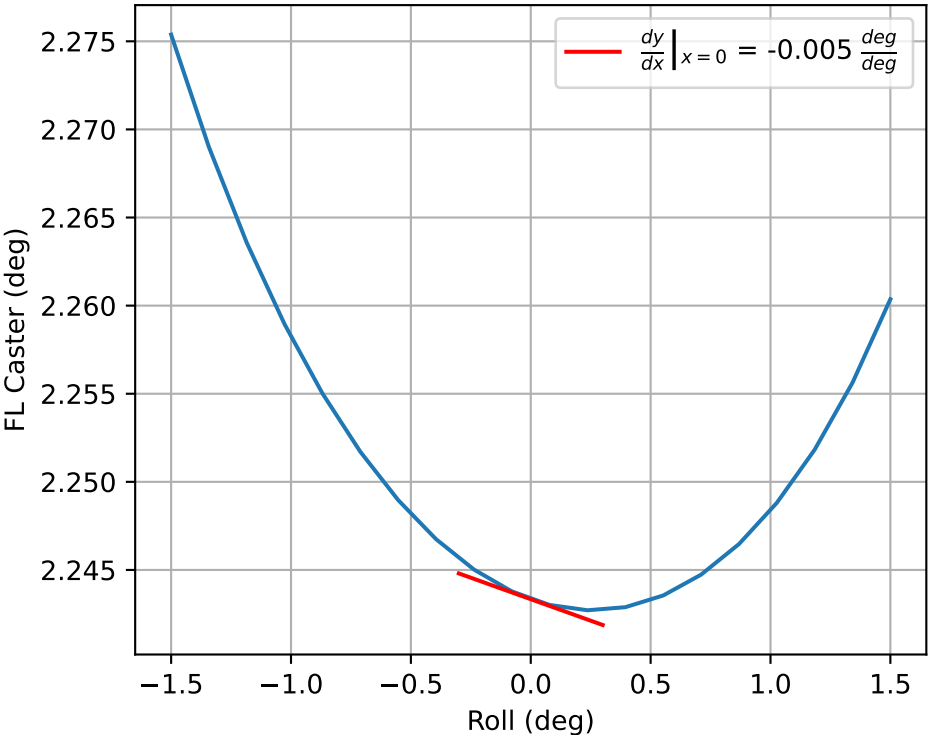
FL	$f(x) = 0.0x + -0.0$
FR	$f(x) = -0.0x + -0.0$
RL	$f(x) = -0.0x + 0.0$
RR	$f(x) = 0.0x + 0.0$

Cubic Fit

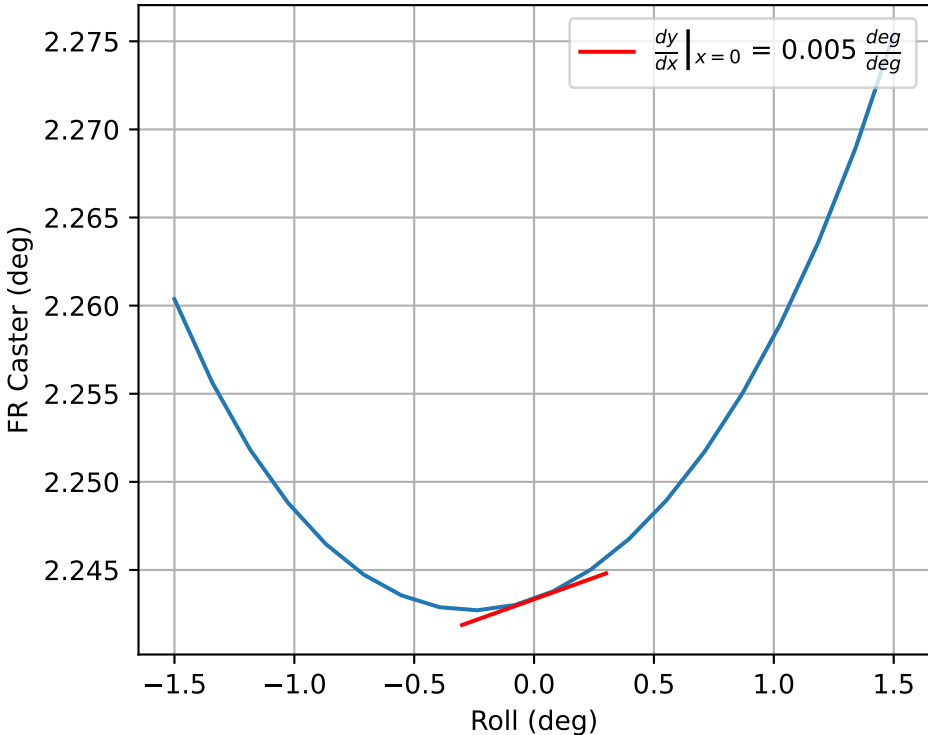
$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$

FL	$f(x) = -0.0x^3 + 0.0x^2 + 0.0x + -0.0$
FR	$f(x) = 0.0x^3 + 0.0x^2 + -0.0x + -0.0$
RL	$f(x) = 0.0x^3 + -0.0x^2 + -0.0x + 0.0$
RR	$f(x) = -0.0x^3 + -0.0x^2 + 0.0x + 0.0$

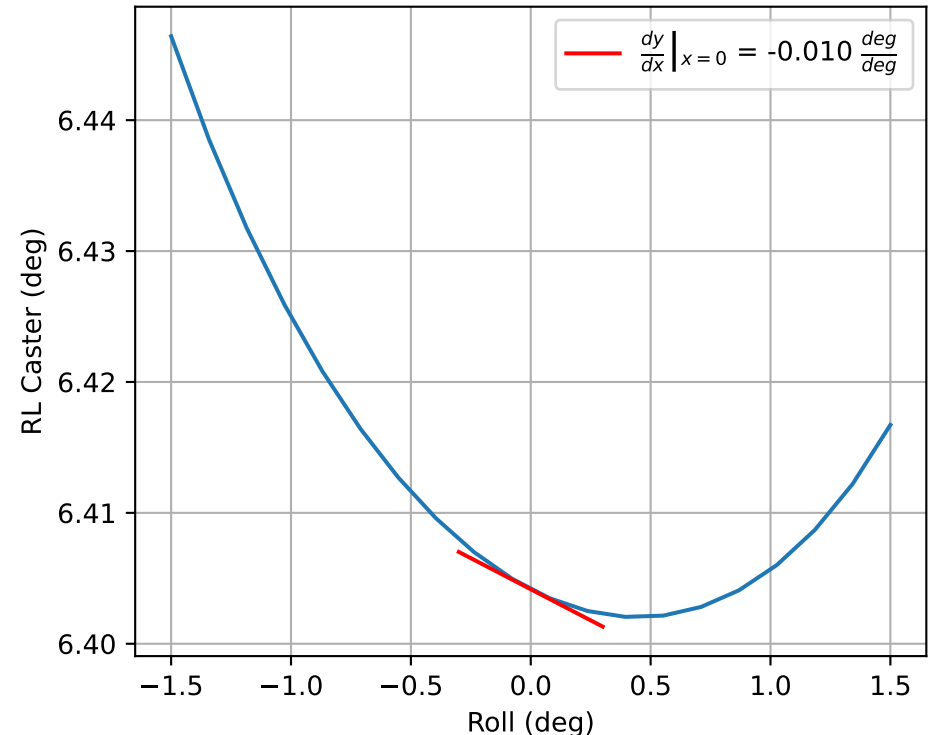
FL Roll Caster



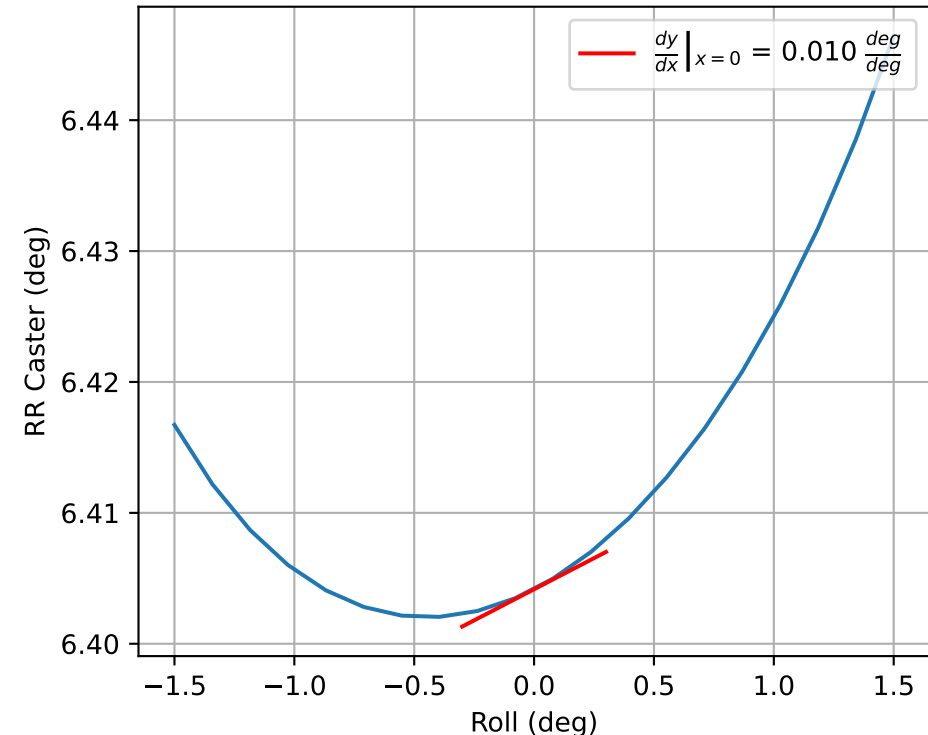
FR Roll Caster



RL Roll Caster



RR Roll Caster



Linear Fit

$$f(x) = a_1x + a_0$$

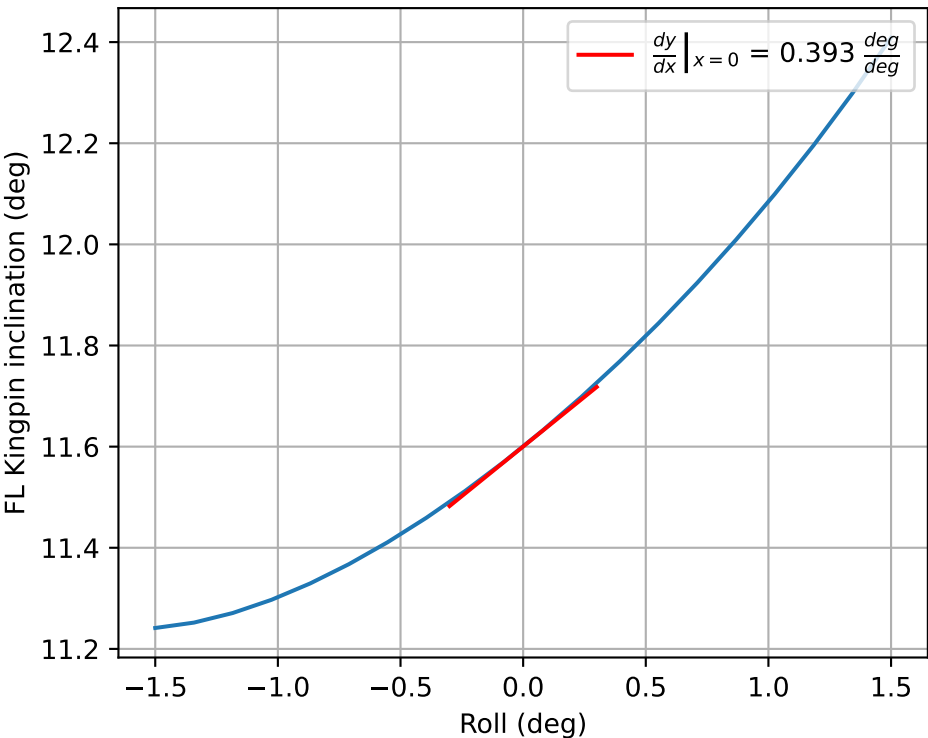
FL	$f(x) = -0.005x + 2.243$
FR	$f(x) = 0.005x + 2.243$
RL	$f(x) = -0.01x + 6.404$
RR	$f(x) = 0.01x + 6.404$

Cubic Fit

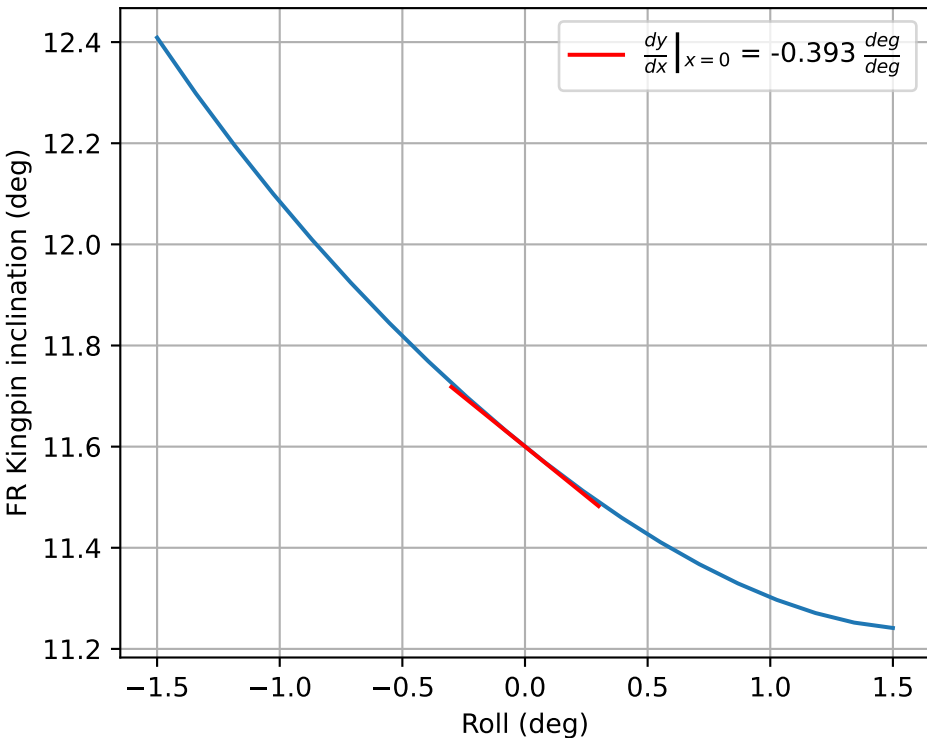
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

FL	$f(x) = -0.0x^3 + 0.011x^2 + -0.005x + 2.243$
FR	$f(x) = 0.0x^3 + 0.011x^2 + 0.005x + 2.243$
RL	$f(x) = -0.0x^3 + 0.012x^2 + -0.009x + 6.404$
RR	$f(x) = 0.0x^3 + 0.012x^2 + 0.009x + 6.404$

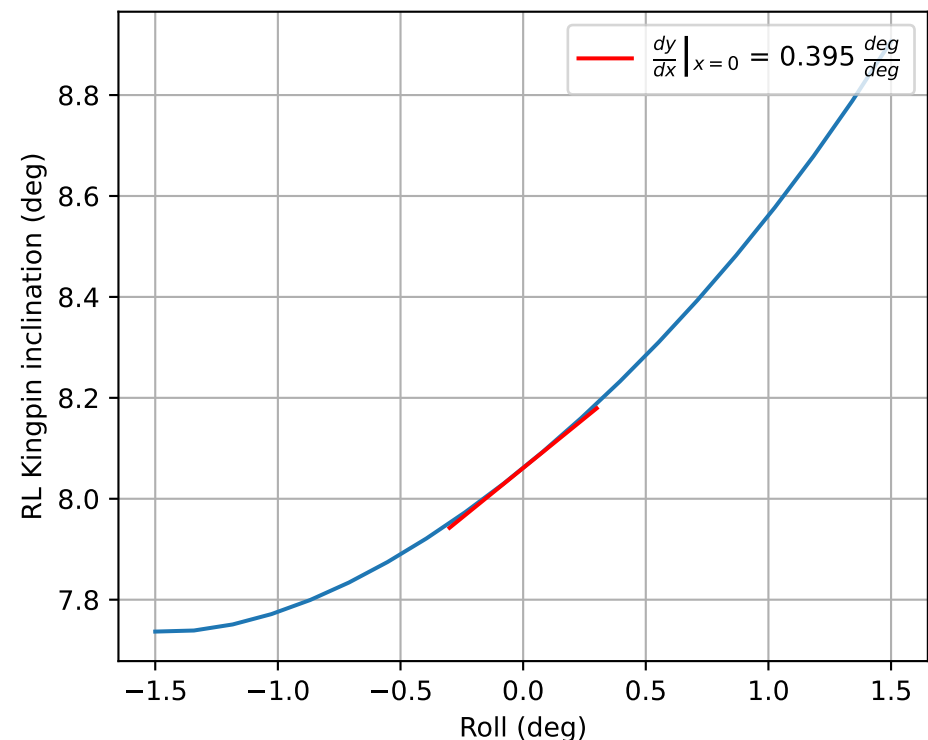
FL Roll KPI



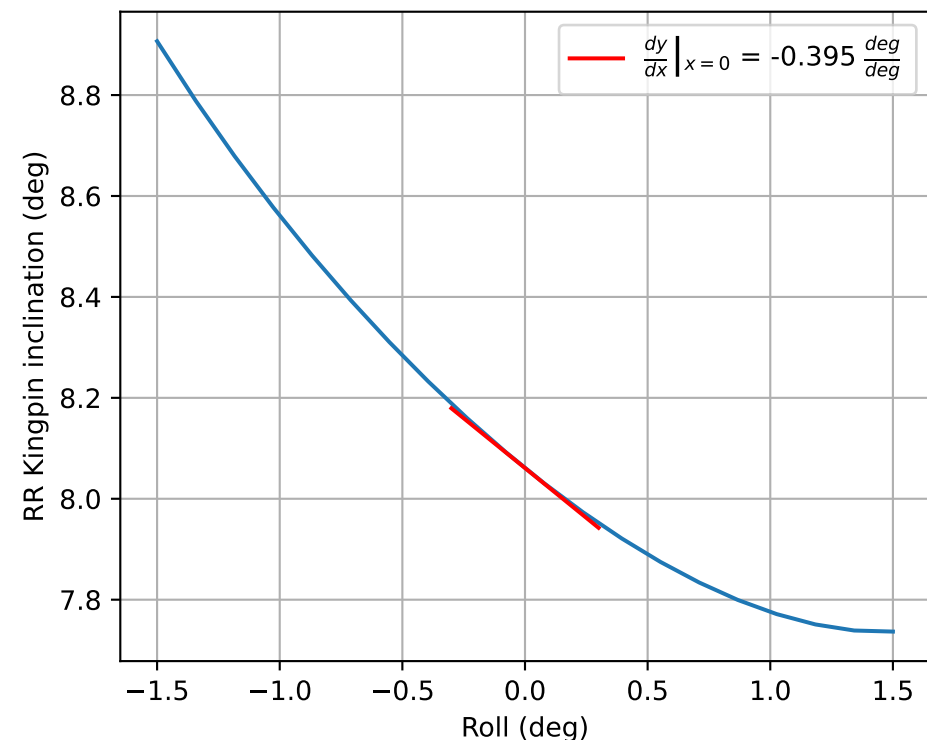
FR Roll KPI



RL Roll KPI



RR Roll KPI



Linear Fit

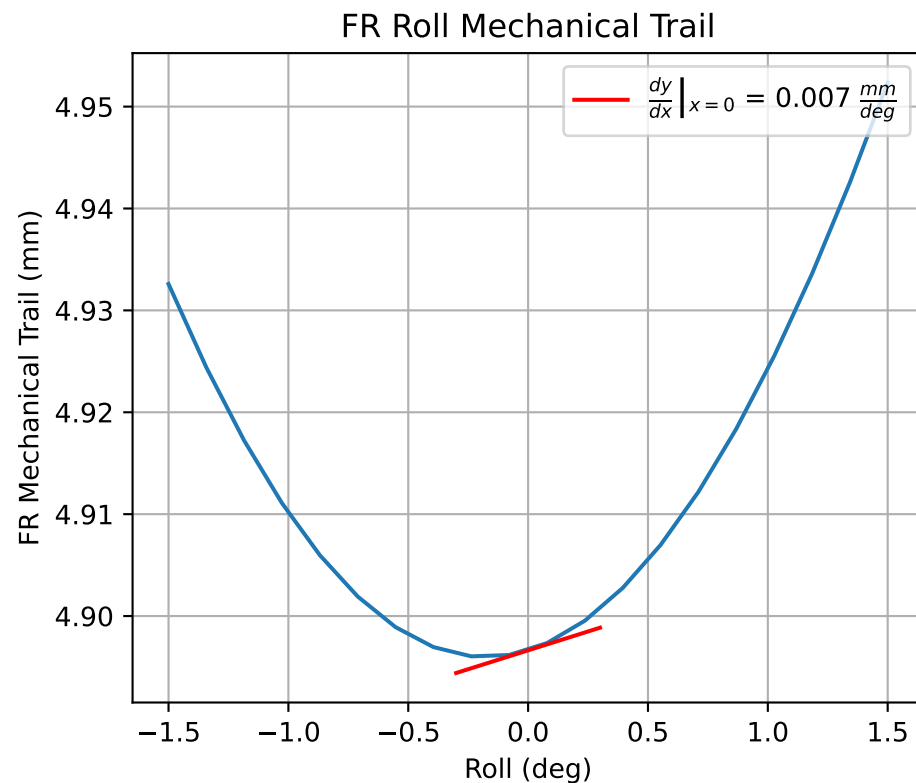
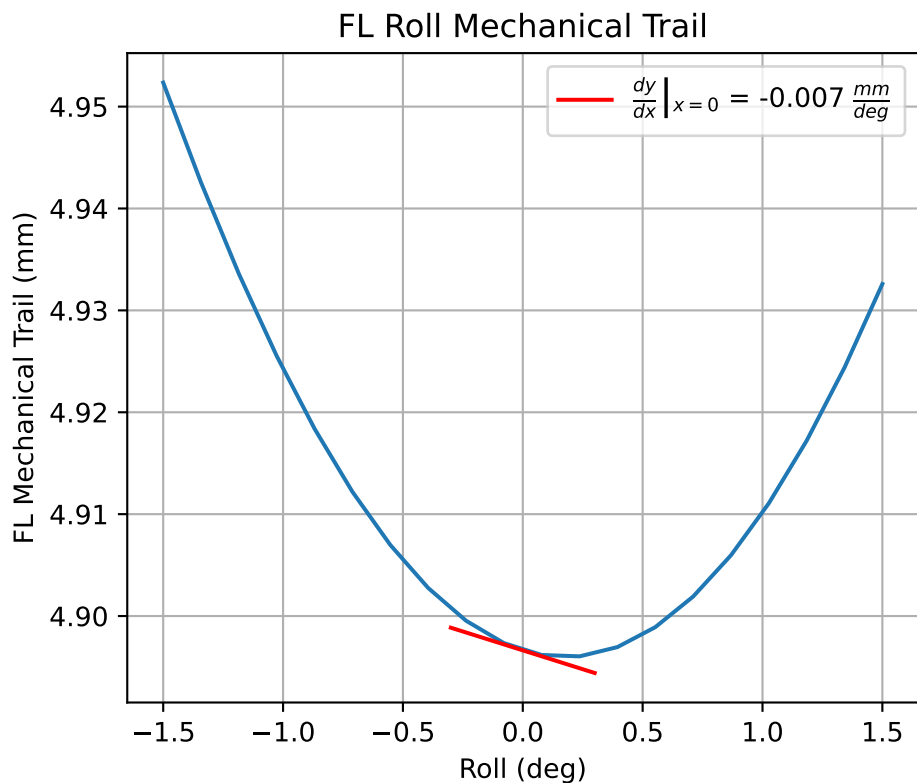
$f(x) = a_1x + a_0$

FL	$f(x) = 0.393x + 11.6$
FR	$f(x) = -0.393x + 11.6$
RL	$f(x) = 0.395x + 8.061$
RR	$f(x) = -0.395x + 8.061$

Cubic Fit

$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$

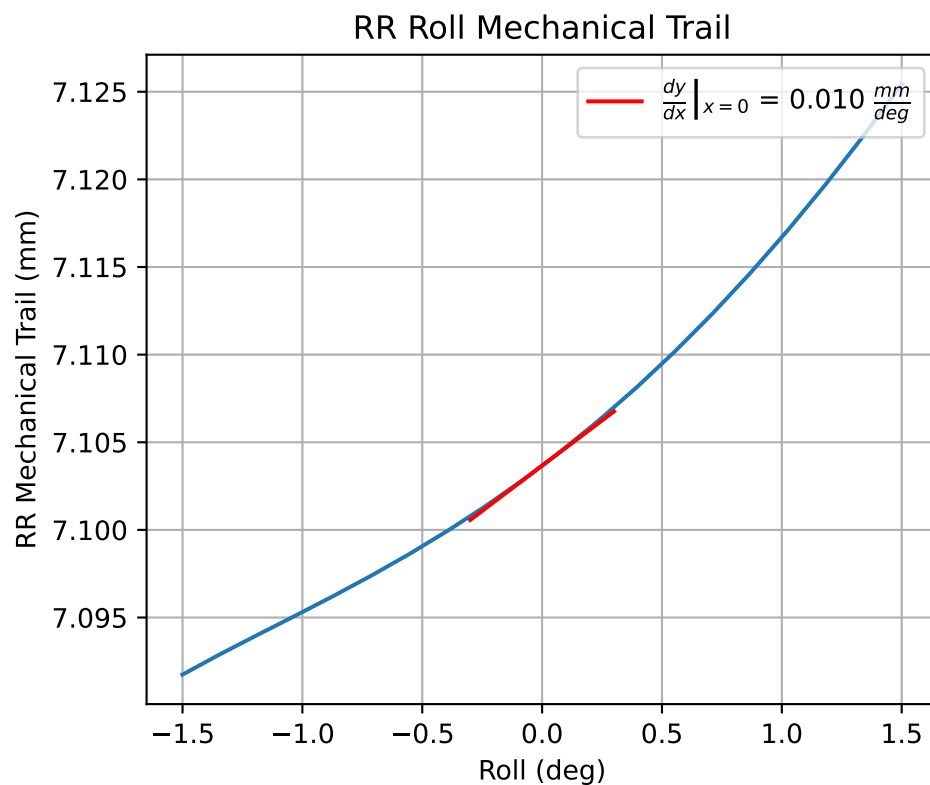
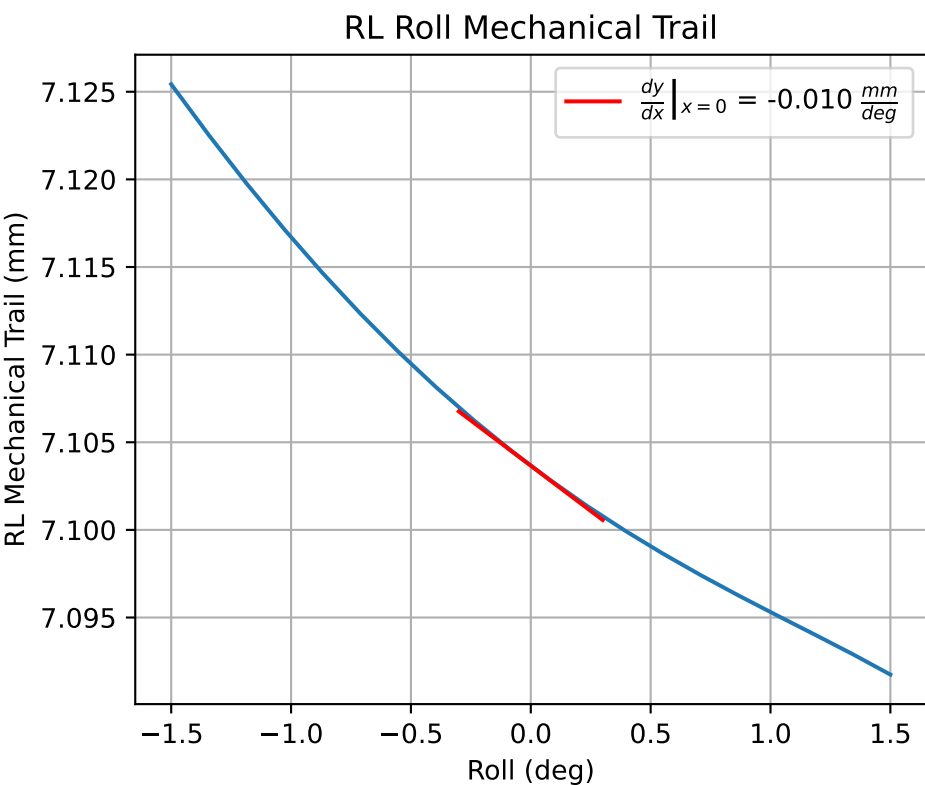
FL	$f(x) = -0.002x^3 + 0.099x^2 + 0.393x + 11.597$
FR	$f(x) = 0.002x^3 + 0.099x^2 + -0.393x + 11.597$
RL	$f(x) = -0.002x^3 + 0.115x^2 + 0.395x + 8.058$
RR	$f(x) = 0.002x^3 + 0.115x^2 + -0.395x + 8.058$



Linear Fit

$$f(x) = a_1x + a_0$$

FL	$f(x) = -0.007x + 4.897$
FR	$f(x) = 0.007x + 4.897$
RL	$f(x) = -0.01x + 7.104$
RR	$f(x) = 0.01x + 7.104$

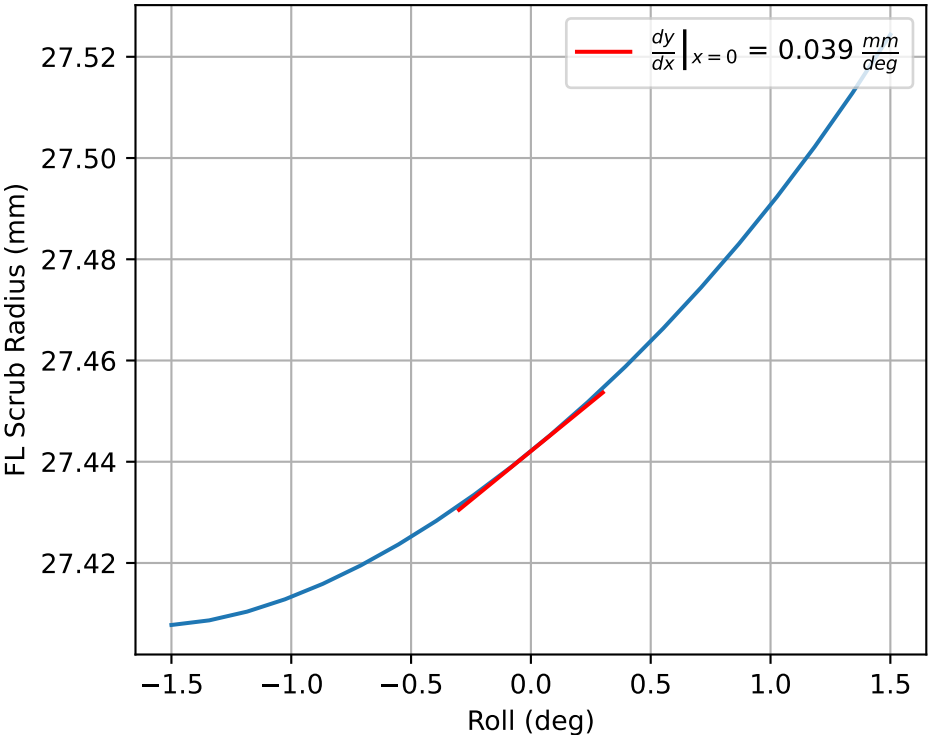


Cubic Fit

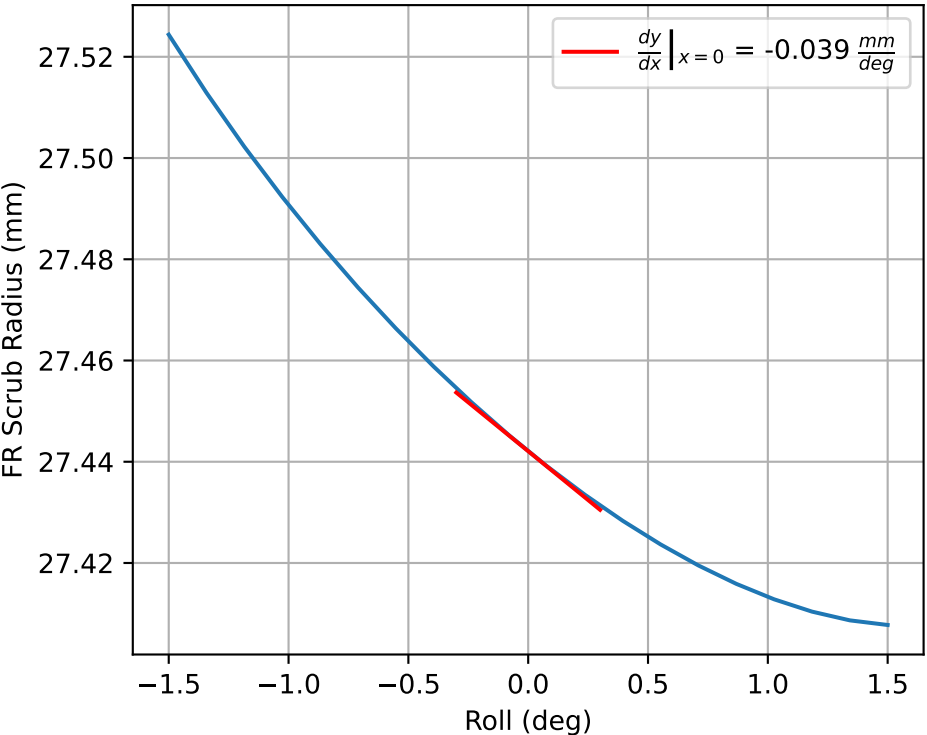
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

FL	$f(x) = 0.0x^3 + 0.02x^2 + -0.007x + 4.897$
FR	$f(x) = -0.0x^3 + 0.02x^2 + 0.007x + 4.897$
RL	$f(x) = -0.0x^3 + 0.002x^2 + -0.01x + 7.104$
RR	$f(x) = 0.0x^3 + 0.002x^2 + 0.01x + 7.104$

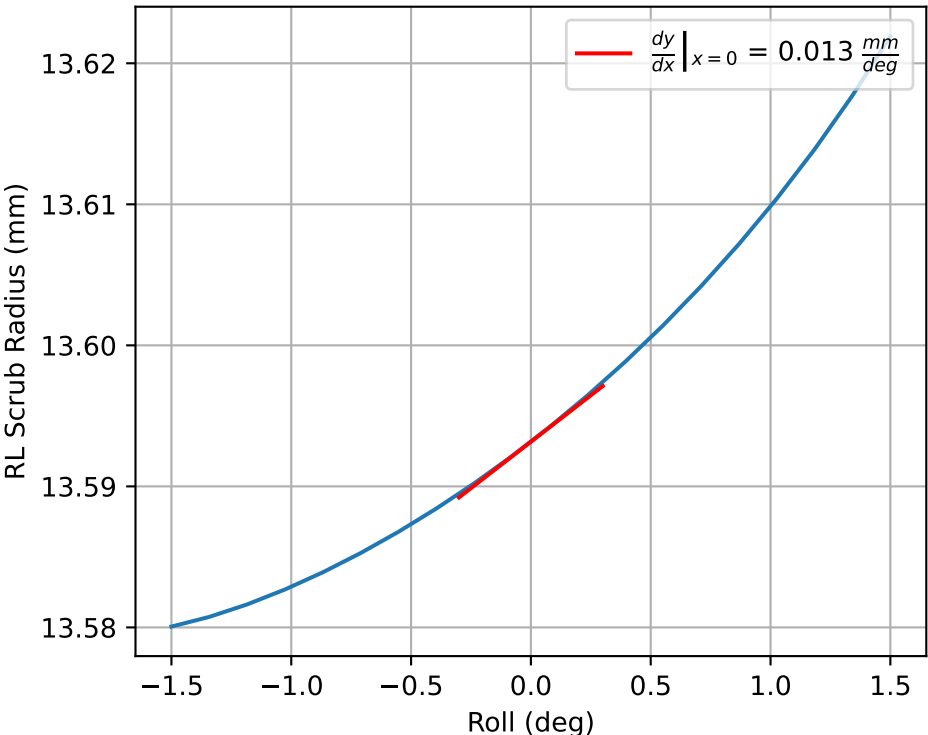
FL Roll Scrub Radius



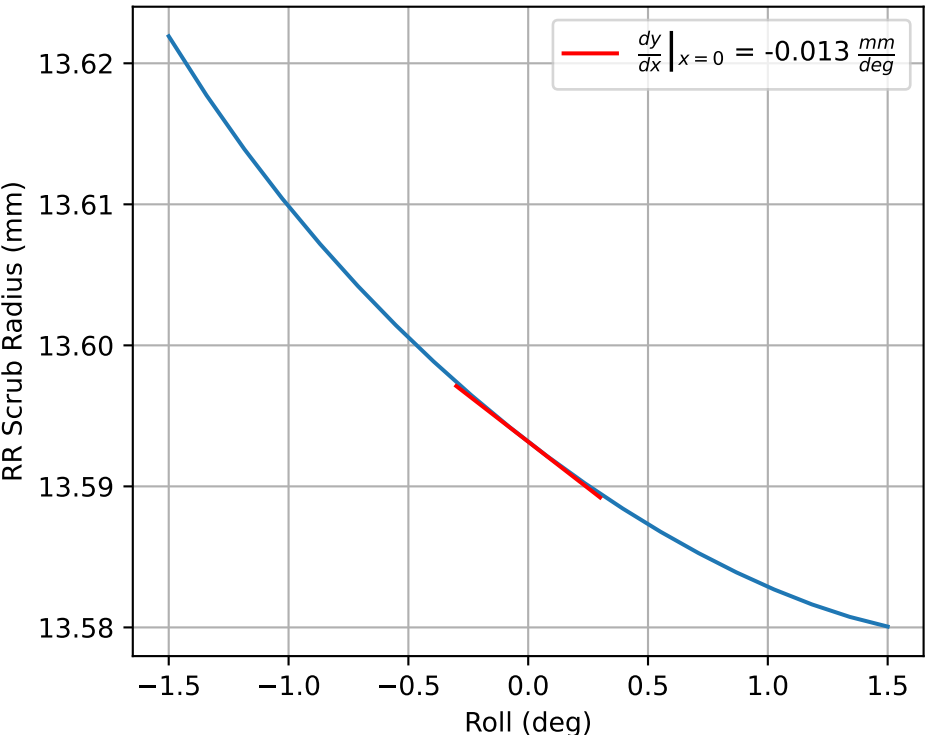
FR Roll Scrub Radius



RL Roll Scrub Radius



RR Roll Scrub Radius



Linear Fit

$$f(x) = a_1x + a_0$$

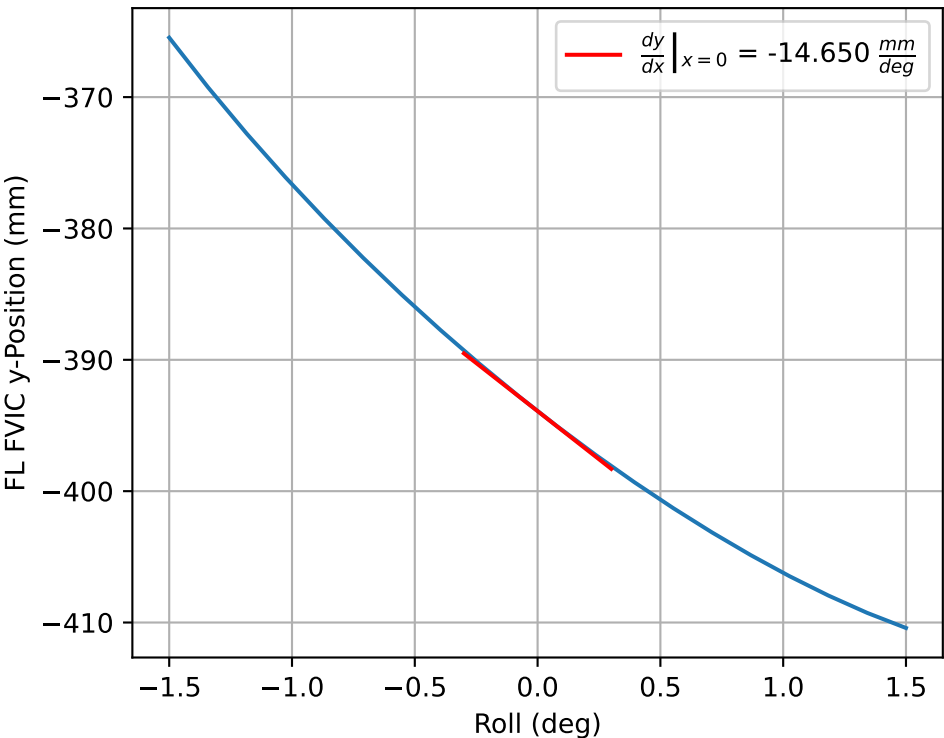
FL	$f(x) = 0.039x + 27.442$
FR	$f(x) = -0.039x + 27.442$
RL	$f(x) = 0.013x + 13.593$
RR	$f(x) = -0.013x + 13.593$

Cubic Fit

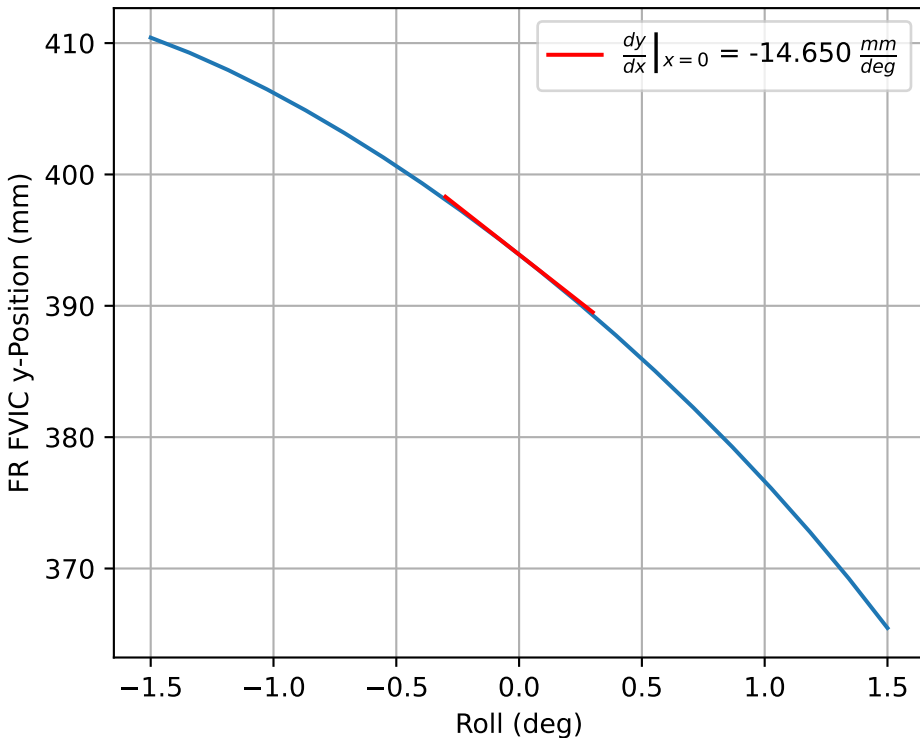
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

FL	$f(x) = 0.0x^3 + 0.011x^2 + 0.039x + 27.442$
FR	$f(x) = -0.0x^3 + 0.011x^2 + -0.039x + 27.442$
RL	$f(x) = 0.0x^3 + 0.003x^2 + 0.013x + 13.593$
RR	$f(x) = -0.0x^3 + 0.003x^2 + -0.013x + 13.593$

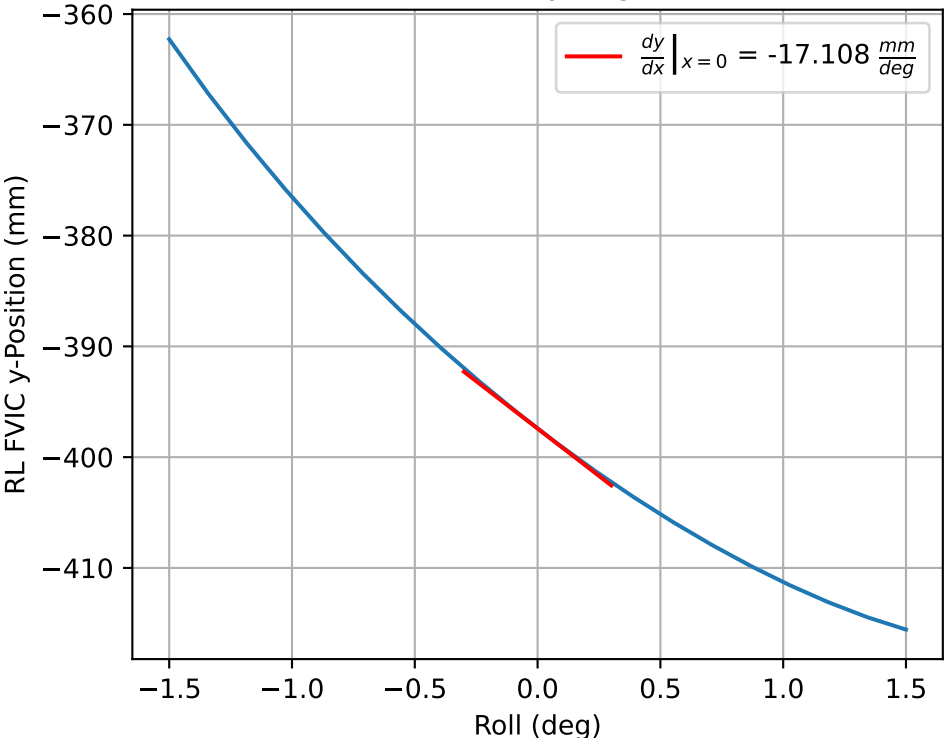
FL Roll FVIC y-Migration



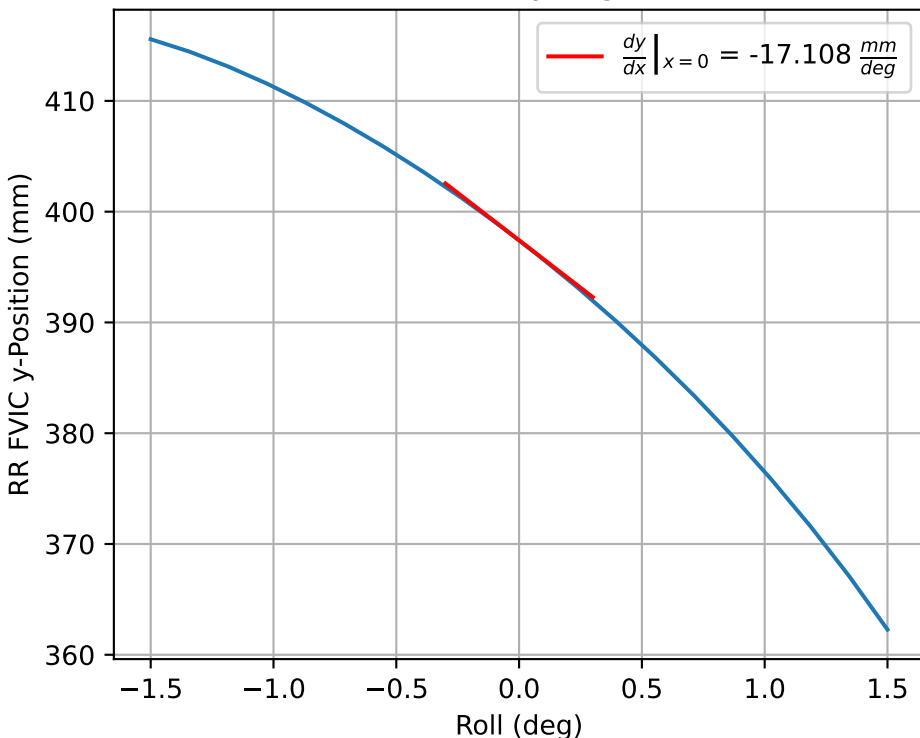
FR Roll FVIC y-Migration



RL Roll FVIC y-Migration



RR Roll FVIC y-Migration



Linear Fit

$$f(x) = a_1x + a_0$$

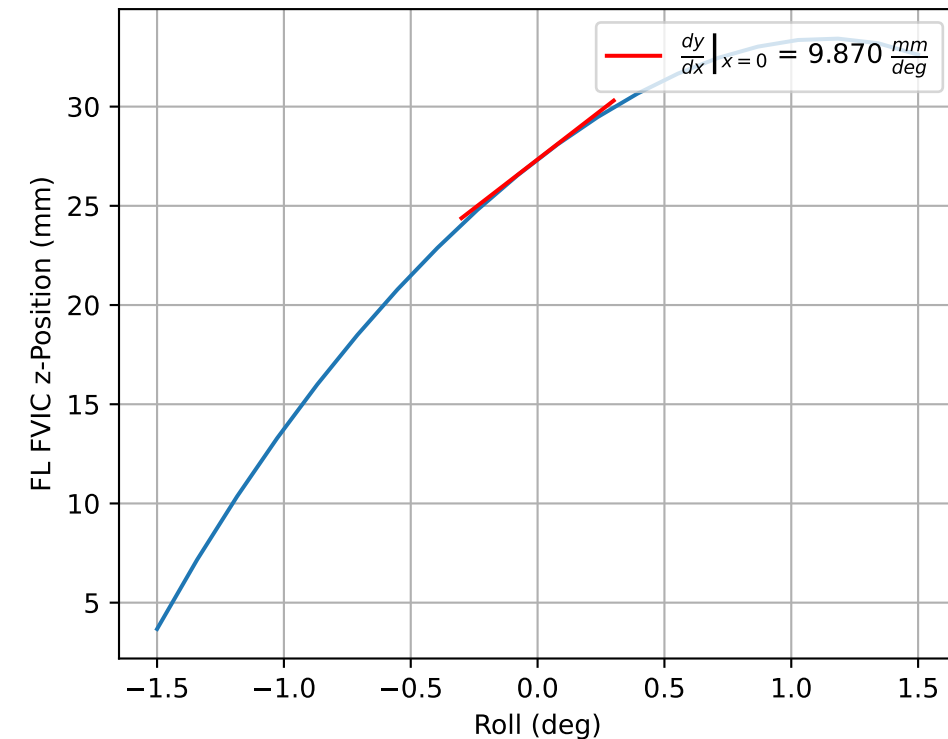
FL	$f(x) = -14.65x + -393.907$
FR	$f(x) = -14.65x + 393.907$
RL	$f(x) = -17.108x + -397.417$
RR	$f(x) = -17.108x + 397.417$

Cubic Fit

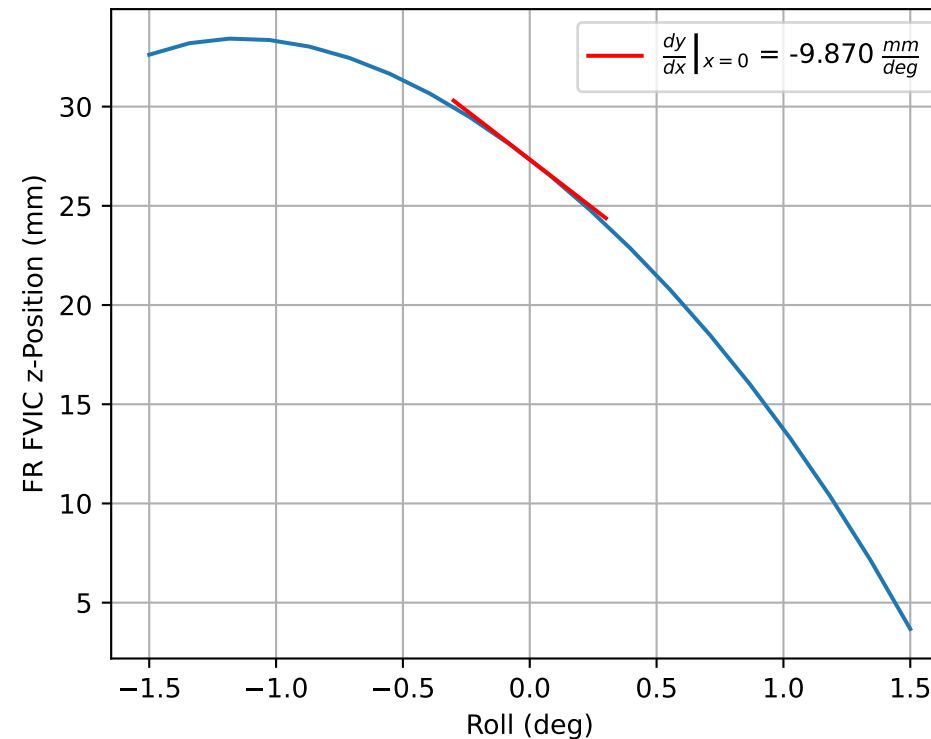
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

FL	$f(x) = -0.151x^3 + 2.627x^2 + -14.639x + -393.977$
FR	$f(x) = -0.151x^3 + -2.627x^2 + -14.639x + 393.977$
RL	$f(x) = -0.299x^3 + 3.742x^2 + -17.085x + -397.519$
RR	$f(x) = -0.299x^3 + -3.742x^2 + -17.085x + 397.519$

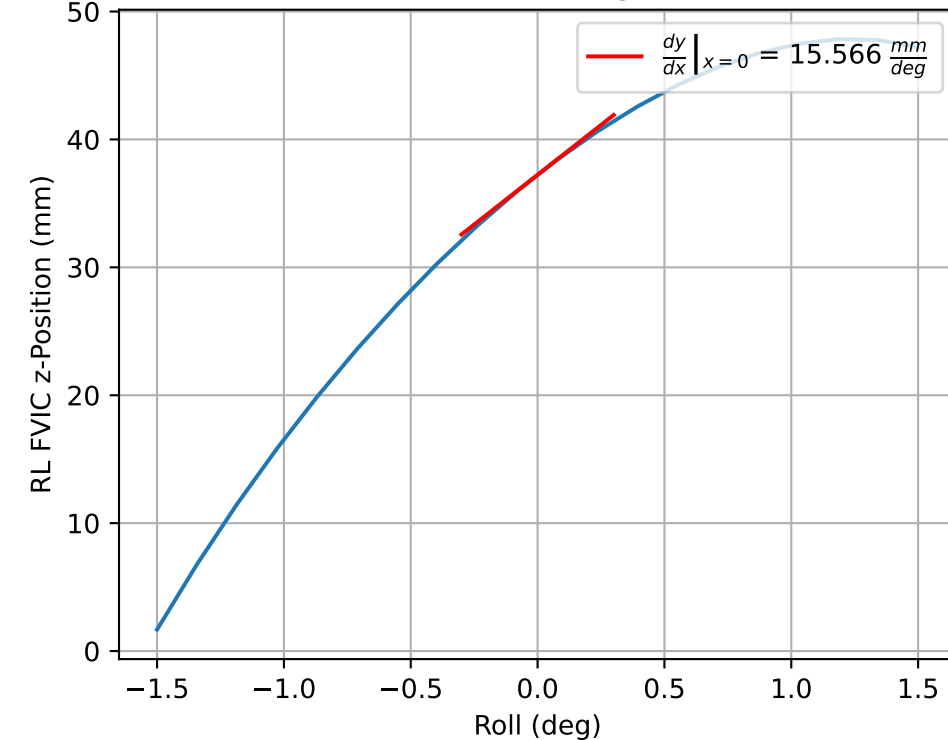
FL Roll FVIC z-Migration



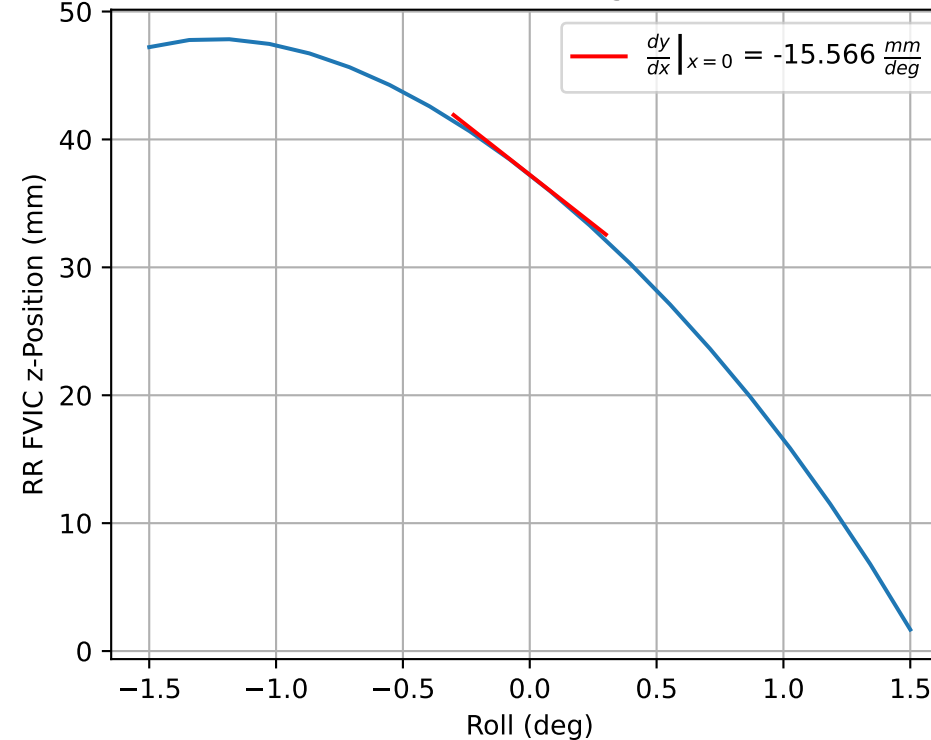
FR Roll FVIC z-Migration



RL Roll FVIC z-Migration



RR Roll FVIC z-Migration



Linear Fit

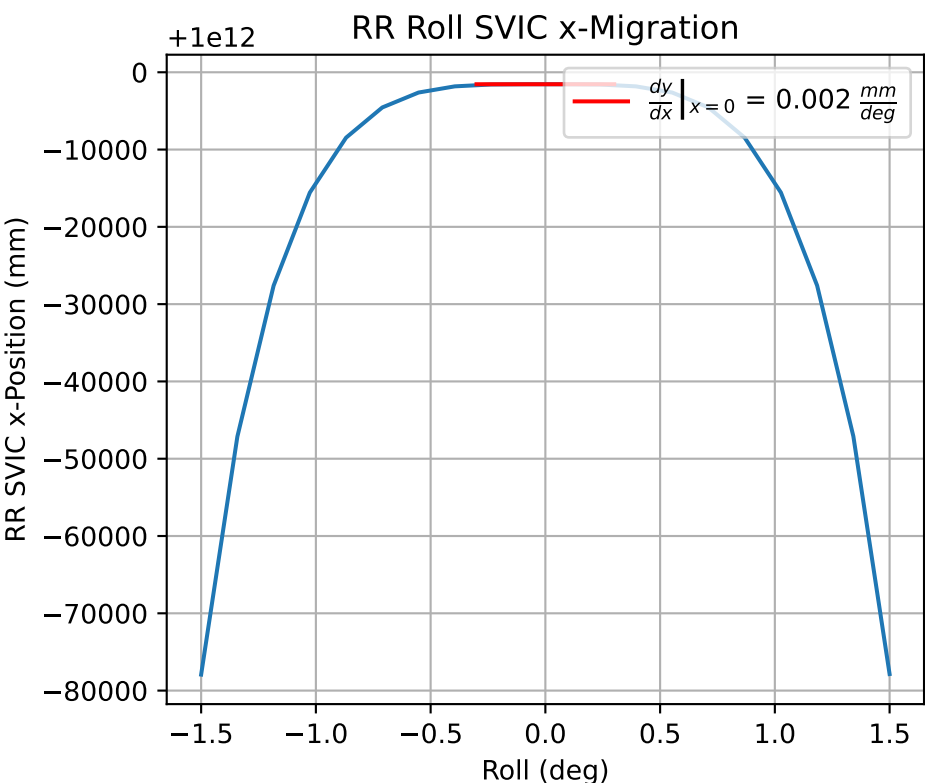
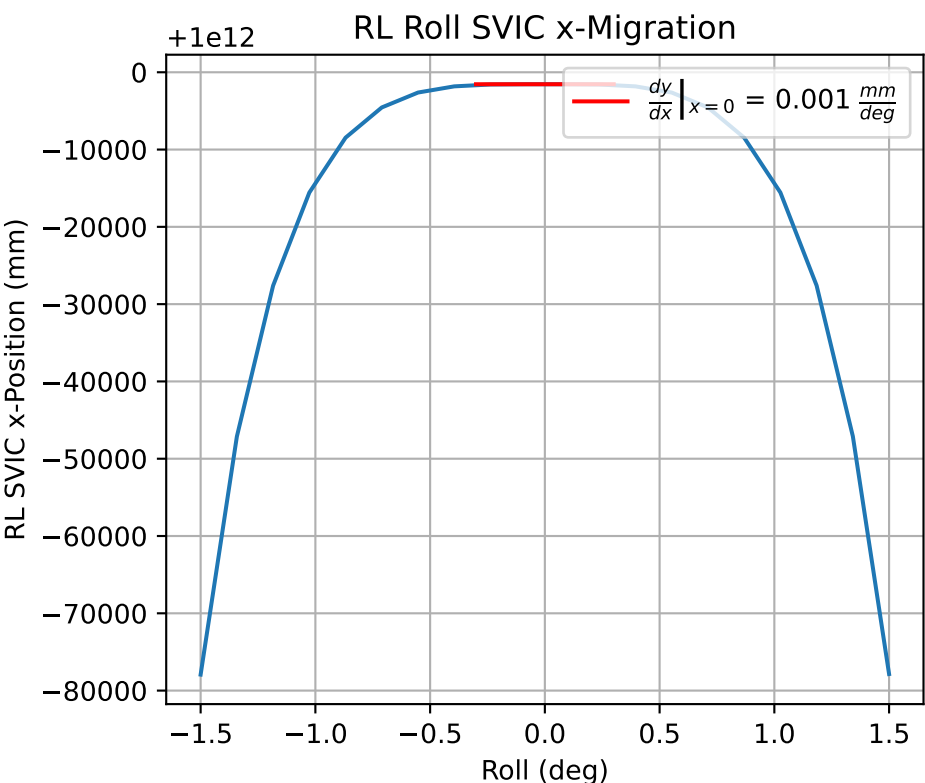
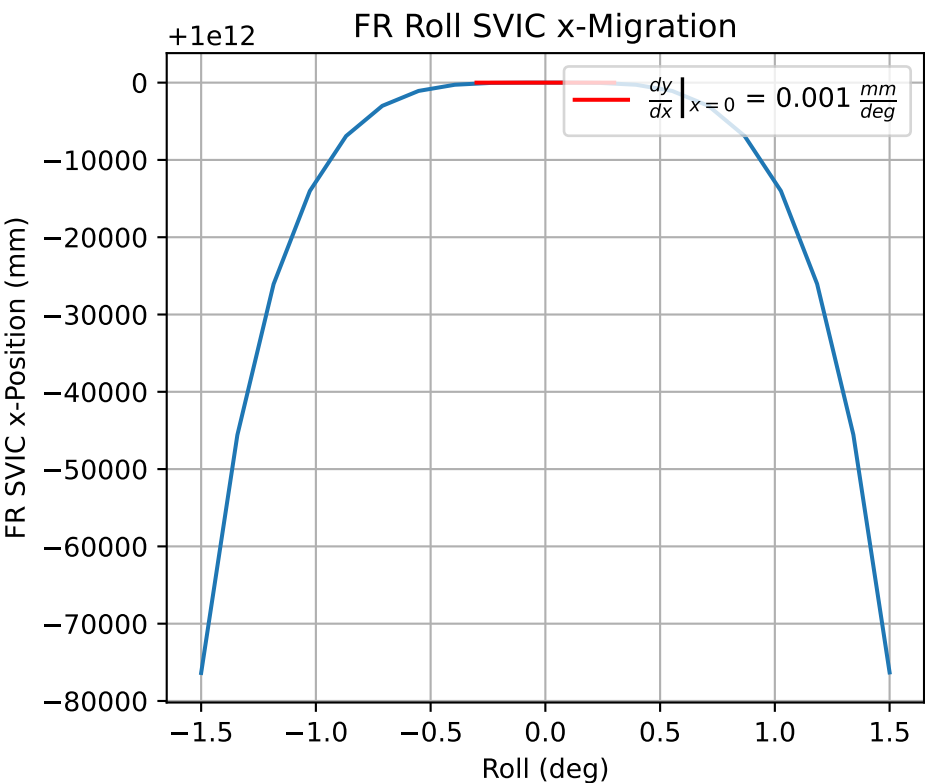
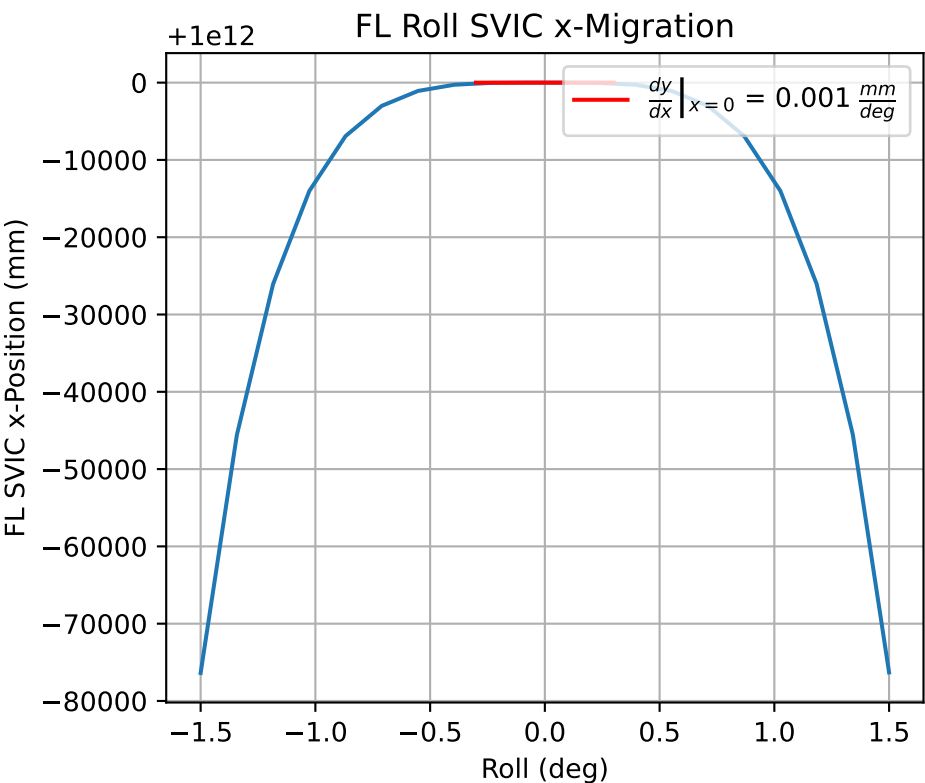
$$f(x) = a_1x + a_0$$

FL	$f(x) = 9.87x + 27.34$
FR	$f(x) = -9.87x + 27.34$
RL	$f(x) = 15.566x + 37.239$
RR	$f(x) = -15.566x + 37.239$

Cubic Fit

$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

FL	$f(x) = -0.102x^3 + -4.049x^2 + 9.879x + 27.453$
FR	$f(x) = 0.102x^3 + -4.049x^2 + -9.879x + 27.453$
RL	$f(x) = -0.177x^3 + -5.631x^2 + 15.581x + 37.399$
RR	$f(x) = 0.177x^3 + -5.631x^2 + -15.581x + 37.399$



Linear Fit

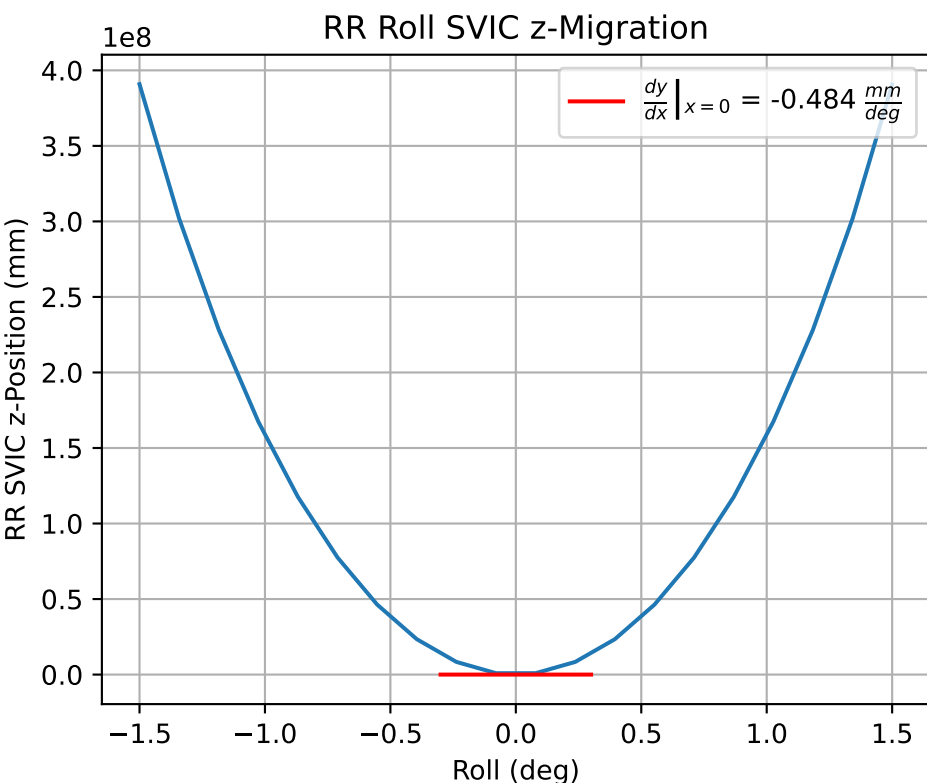
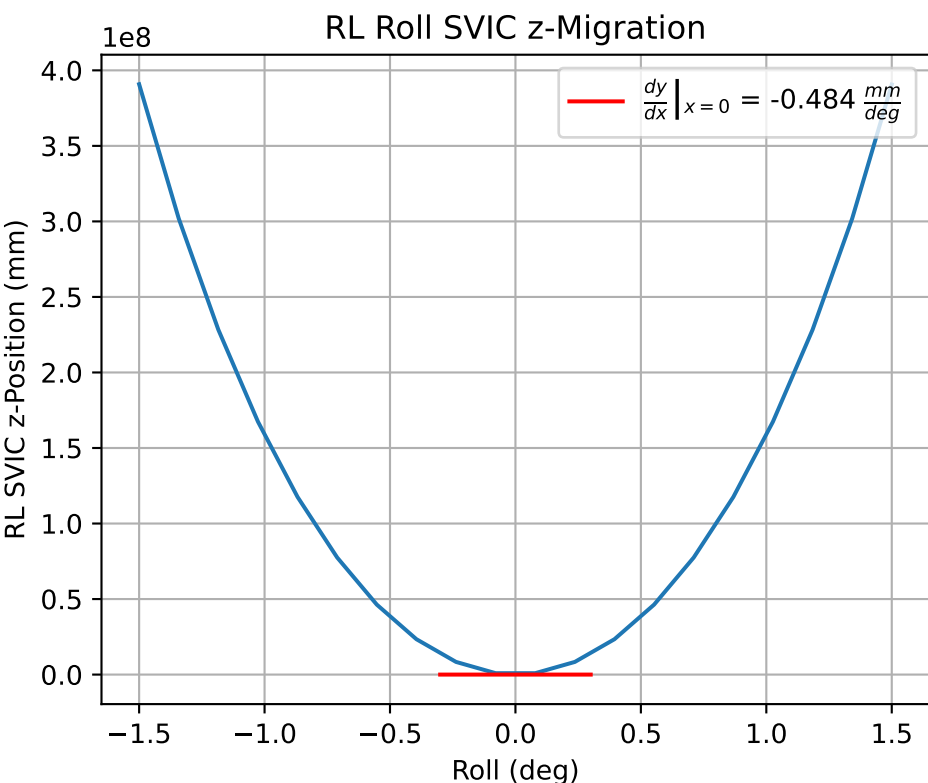
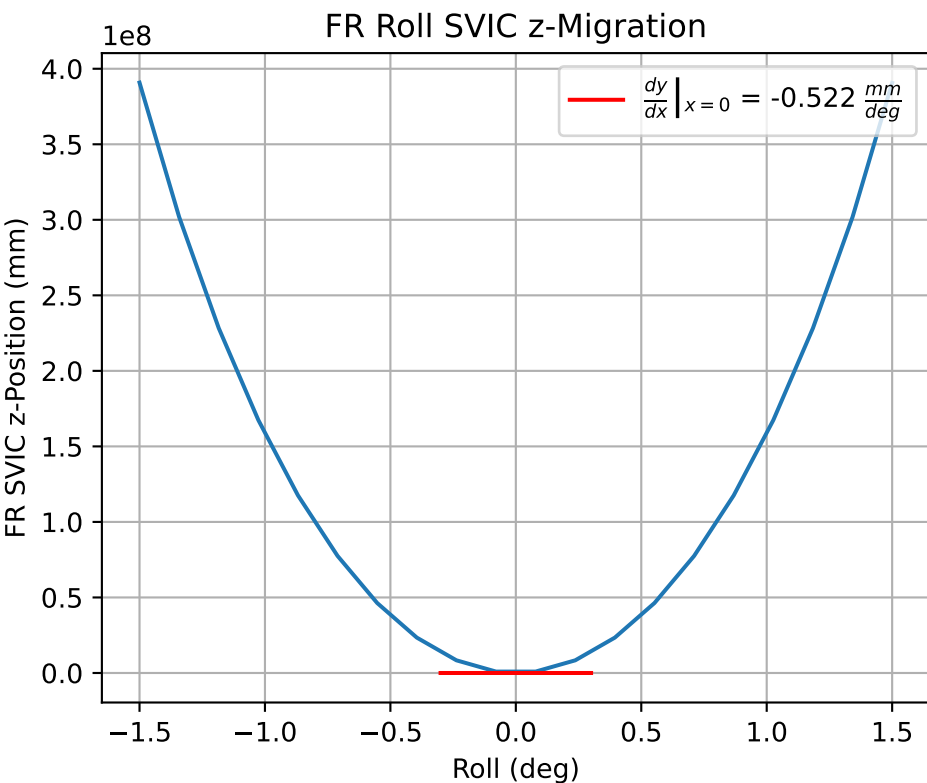
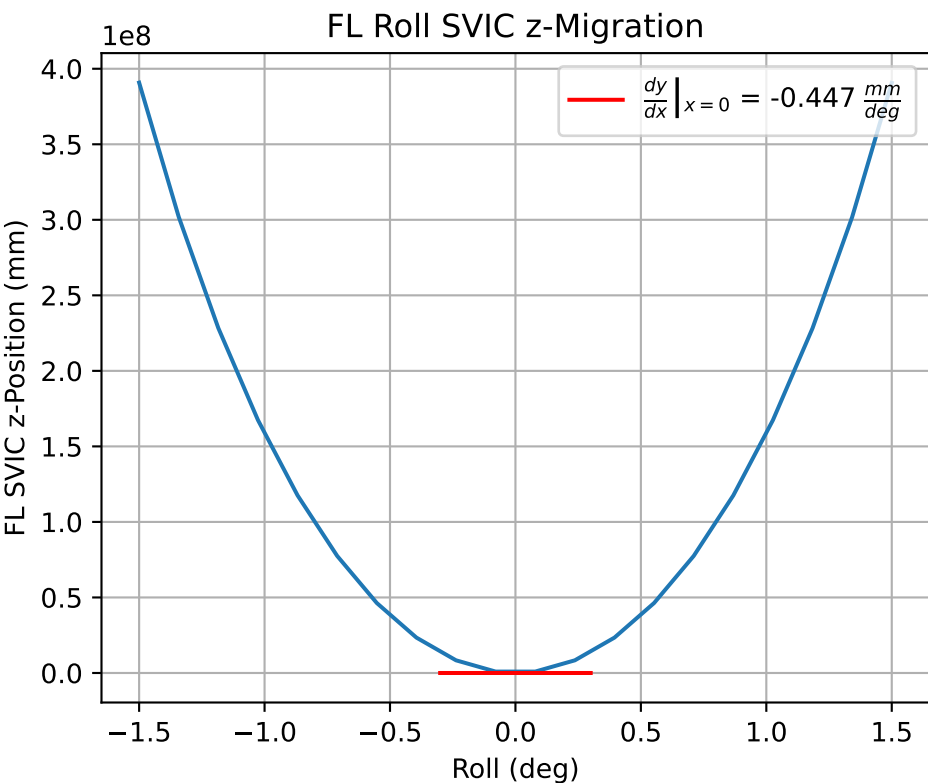
$$f(x) = a_1x + a_0$$

FL	$f(x) = 0.001x + 1.000e+12$
FR	$f(x) = 0.001x + 1.000e+12$
RL	$f(x) = 0.001x + 1.000e+12$
RR	$f(x) = 0.002x + 1.000e+12$

Cubic Fit

$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

FL $f(x)$	$= 12.858x^3 + -30904.774x^2 + -8.097x + 1.0e+12$
FR $f(x)$	$= 12.858x^3 + -30904.774x^2 + -8.097x + 1.0e+12$
RL $f(x)$	$= 12.86x^3 + -30904.78x^2 + -8.097x + 1.0e+12$
RR $f(x)$	$= 12.856x^3 + -30904.78x^2 + -8.096x + 1.0e+12$



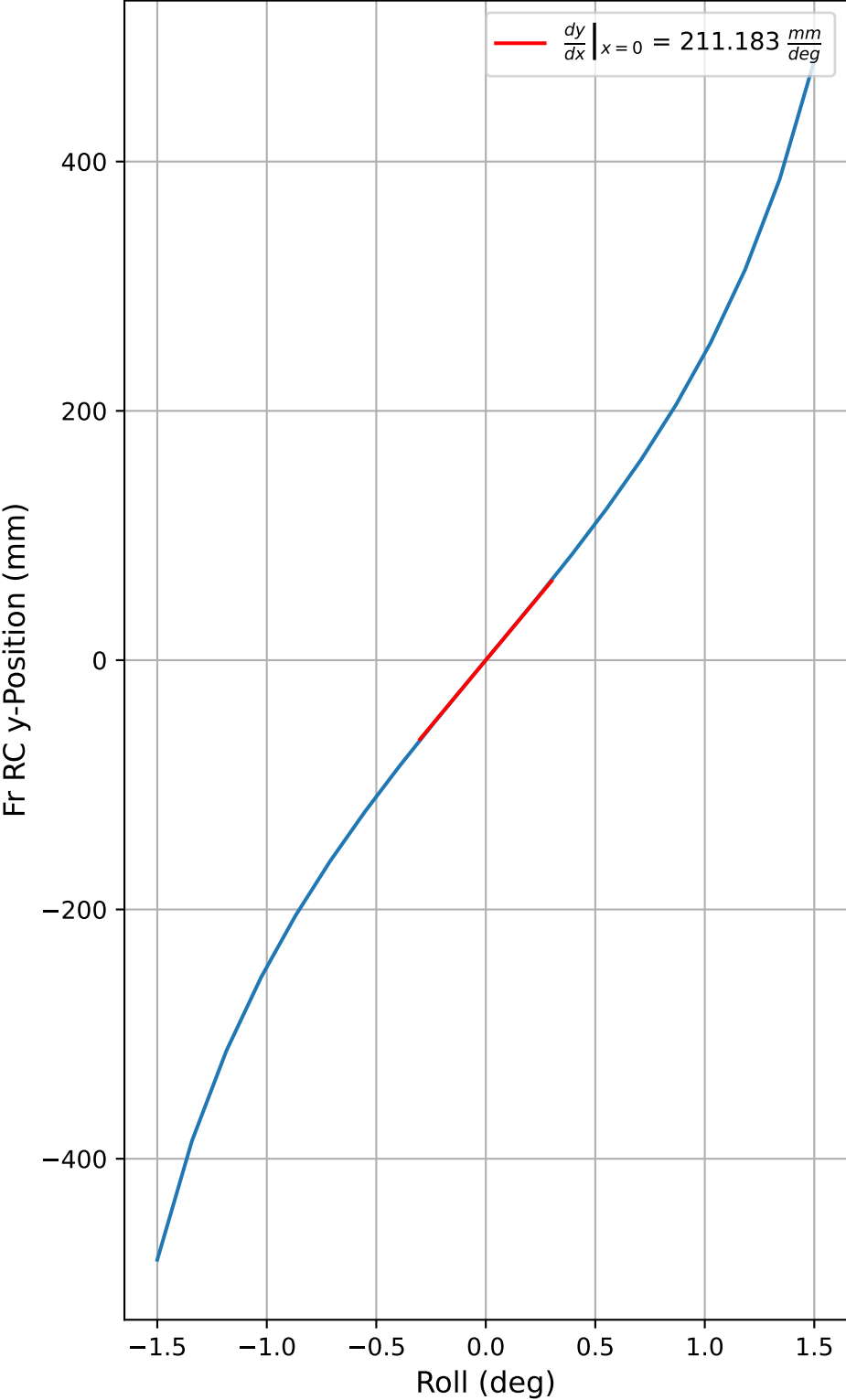
Linear Fit $f(x) = a_1x + a_0$

FL	$f(x) = -0.447x + -118.161$
FR	$f(x) = -0.522x + -118.161$
RL	$f(x) = -0.484x + -118.13$
RR	$f(x) = -0.484x + -118.13$

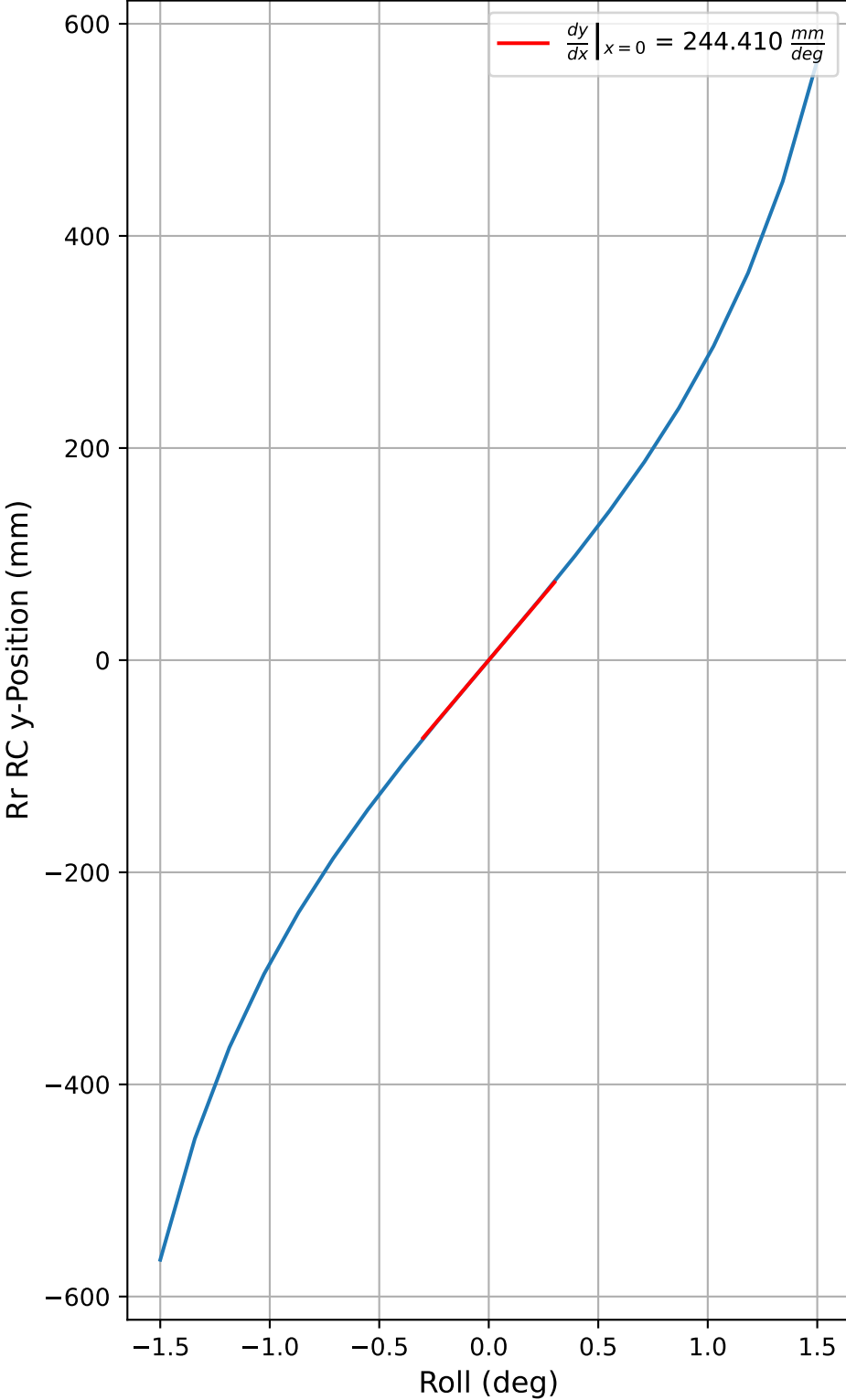
Cubic Fit $f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$

$f(x)$	$-29173.839x^3 + 171559310.923x^2 + 7834.007x + -6.0$
$f(x)$	$-29173.846x^3 + 171559310.923x^2 + 7833.933x + -6.0$
$f(x)$	$-29173.838x^3 + 171559310.929x^2 + 7833.97x + -6.0$
$f(x)$	$-29173.847x^3 + 171559310.929x^2 + 7833.97x + -6.0$

Fr Roll RC y-Migration



Rr Roll RC y-Migration



Linear Fit

$$f(x) = a_1x + a_0$$

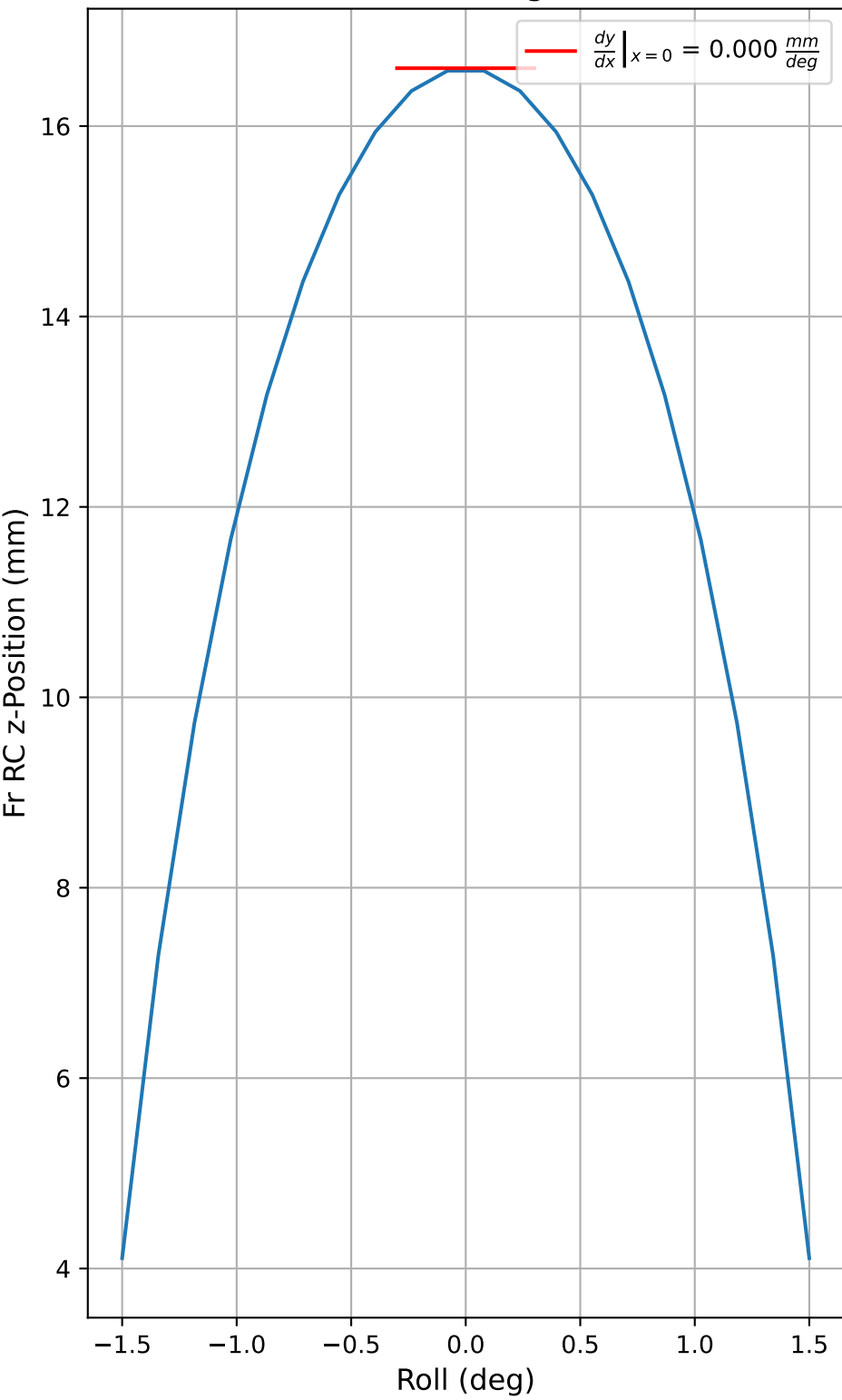
Fr	$f(x) = 211.183x + 0.0$
Rr	$f(x) = 244.41x + 0.0$

Cubic Fit

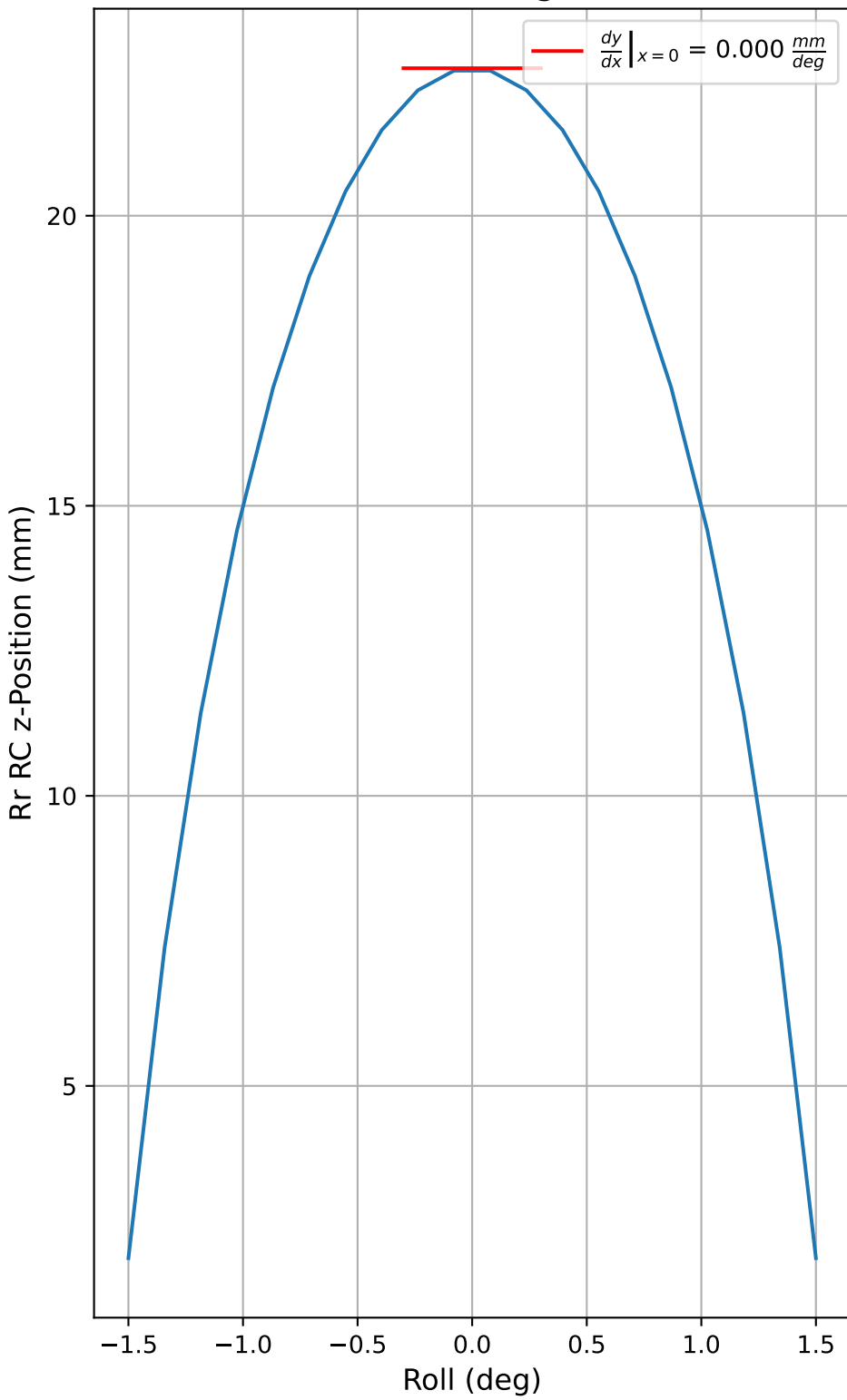
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

Fr	$f(x) = 53.311x^3 + 0.0x^2 + 195.565x + -0.0$
Rr	$f(x) = 64.641x^3 + -0.0x^2 + 224.924x + 0.0$

Fr Roll RC z-Migration



Rr Roll RC z-Migration



Linear Fit

$$f(x) = a_1x + a_0$$

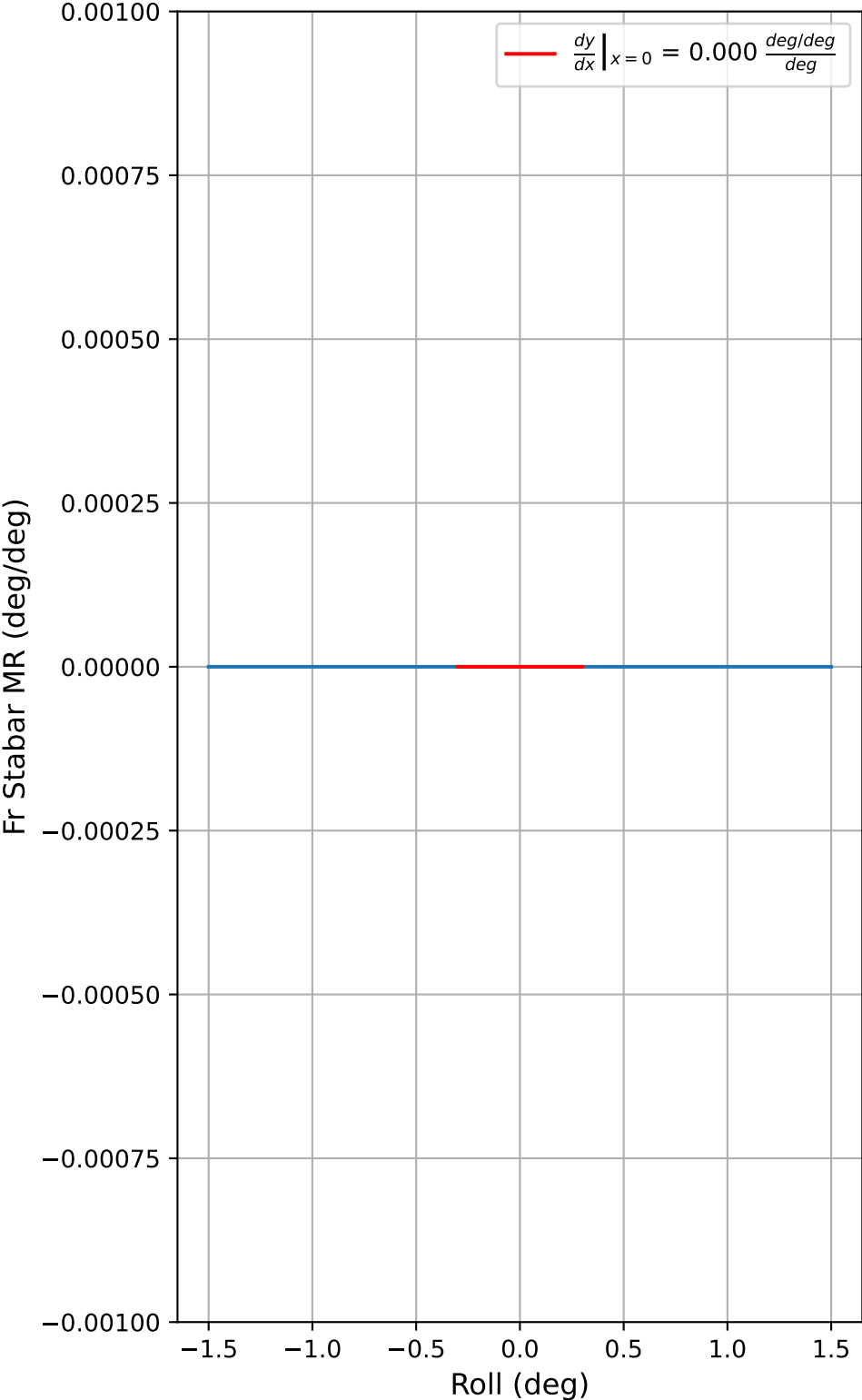
Fr	$f(x) = 0.0x + 16.608$
Rr	$f(x) = 0.0x + 22.543$

Cubic Fit

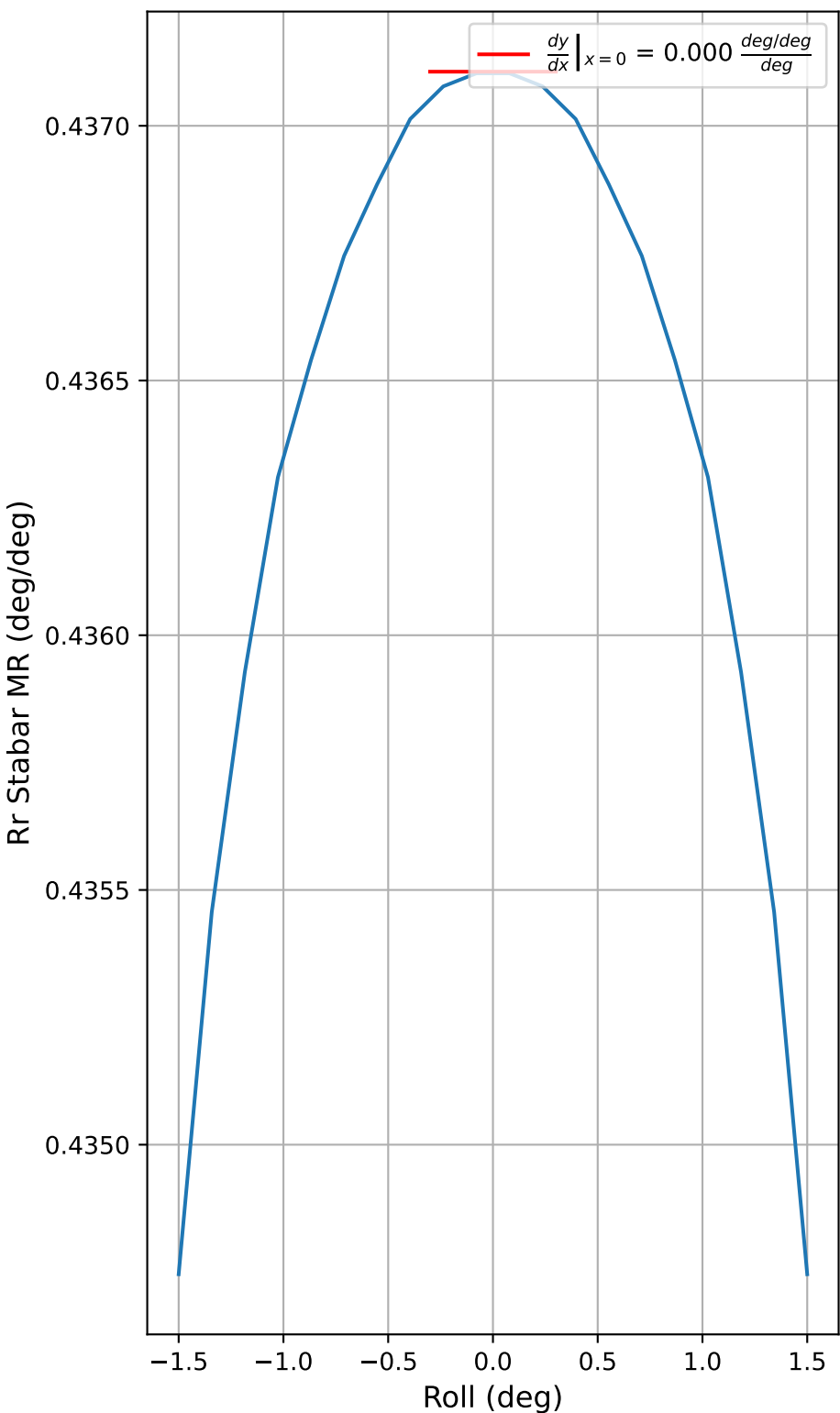
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

Fr	$f(x) = -0.0x^3 + -5.415x^2 + 0.0x + 16.938$
Rr	$f(x) = 0.0x^3 + -8.856x^2 + -0.0x + 23.139$

Fr Roll Stabar MR



Rr Roll Stabar MR



Linear Fit

$$f(x) = a_1x + a_0$$

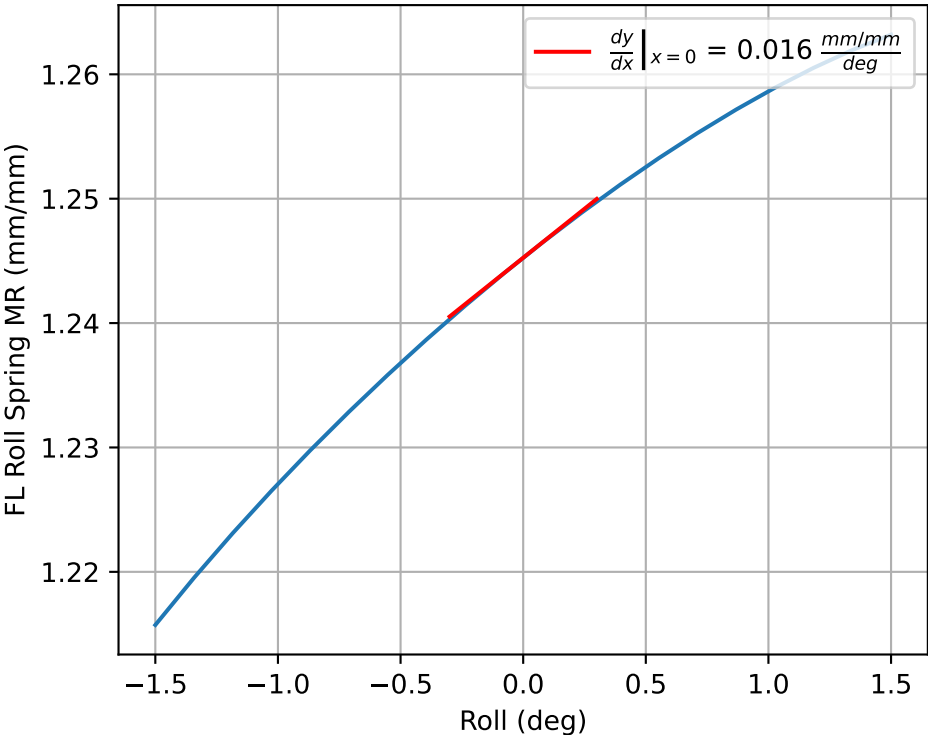
Fr	$f(x) = 0.0x + 0.0$
Rr	$f(x) = 0.0x + 0.437$

Cubic Fit

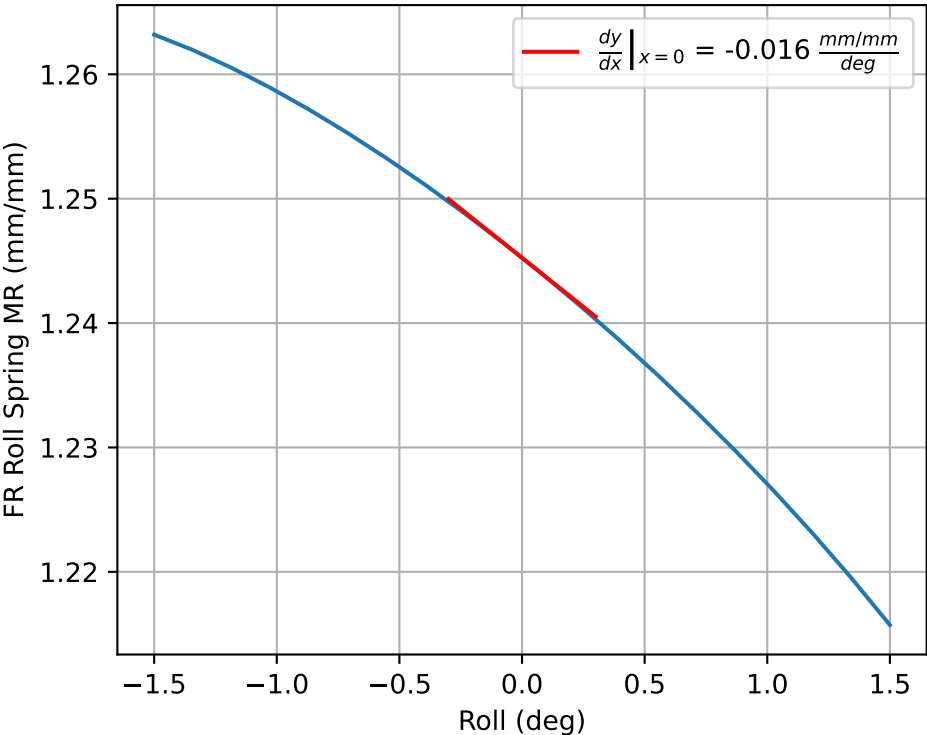
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

Fr	$f(x) = 0.0x^3 + 0.0x^2 + 0.0x + 0.0$
Rr	$f(x) = 0.0x^3 + -0.001x^2 + -0.0x + 0.437$

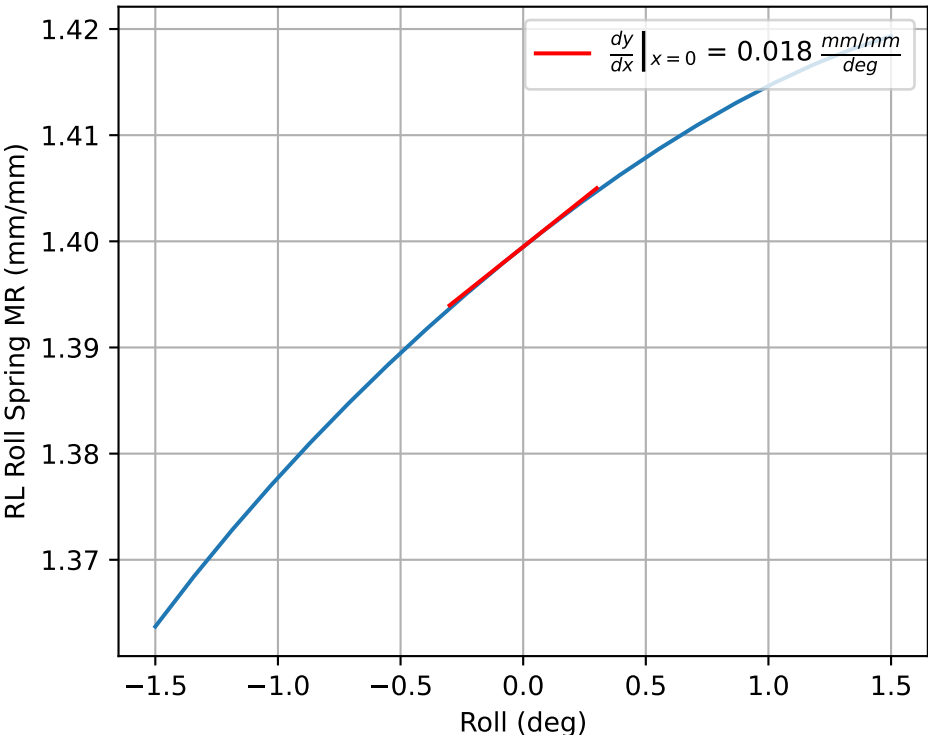
FL Roll Spring MRs



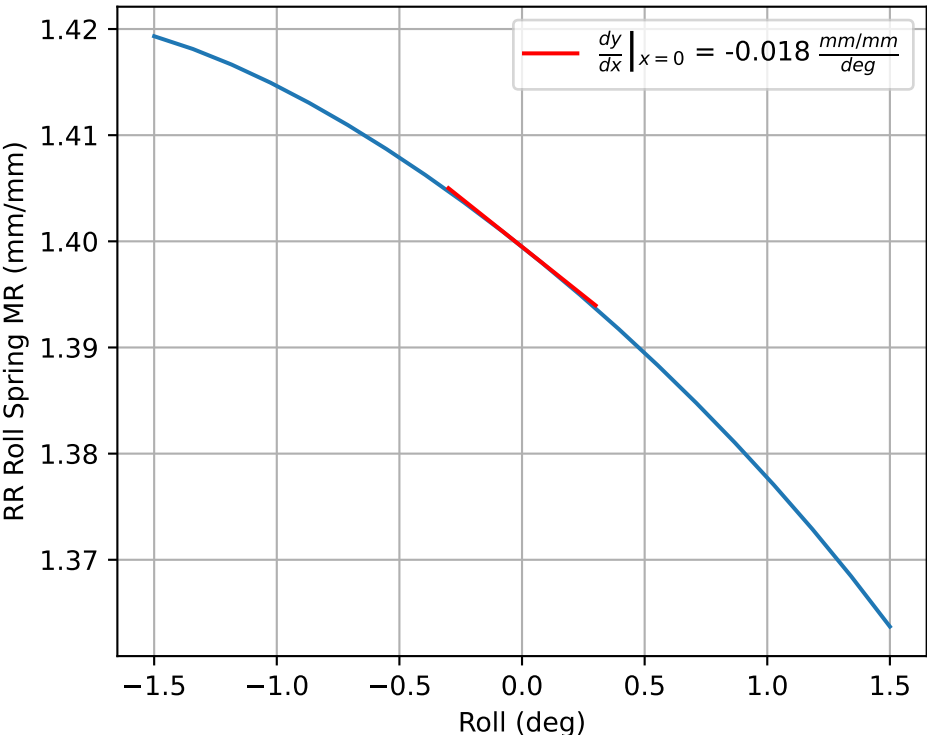
FR Roll Spring MRs



RL Roll Spring MRs



RR Roll Spring MRs



Linear Fit

$$f(x) = a_1x + a_0$$

FL	$f(x) = 0.016x + 1.245$
FR	$f(x) = -0.016x + 1.245$
RL	$f(x) = 0.018x + 1.399$
RR	$f(x) = -0.018x + 1.399$

Cubic Fit

$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

FL	$f(x) = 0.0x^3 + -0.003x^2 + 0.016x + 1.245$
FR	$f(x) = -0.0x^3 + -0.003x^2 + -0.016x + 1.245$
RL	$f(x) = 0.0x^3 + -0.004x^2 + 0.018x + 1.4$
RR	$f(x) = -0.0x^3 + -0.004x^2 + -0.018x + 1.4$