



Kinematics Report

Simulation Author: Robert Horvath

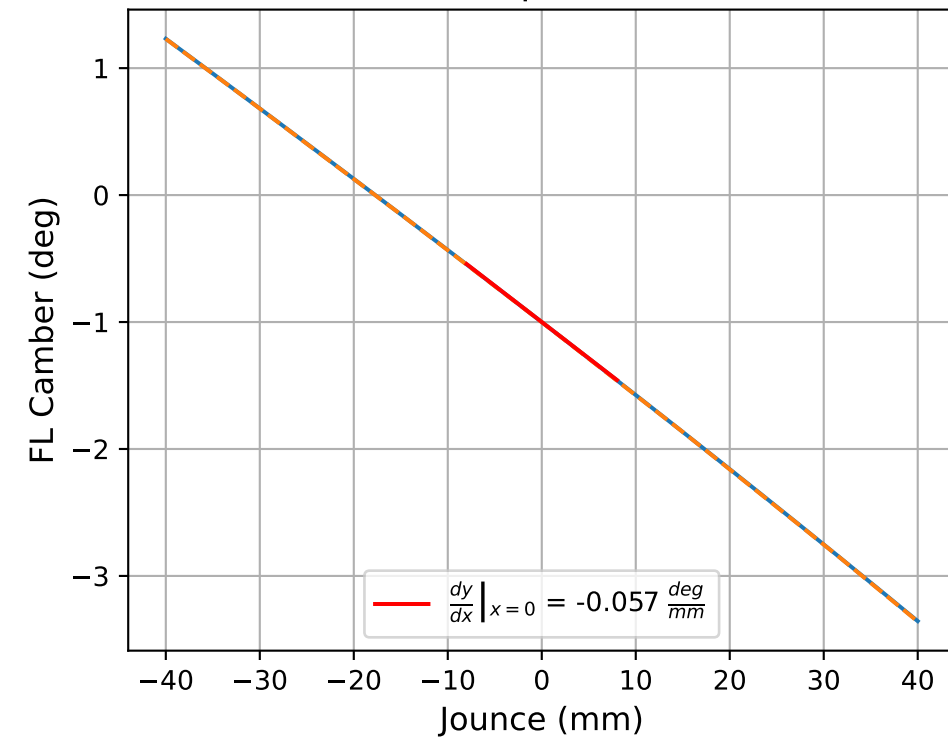
Generated By: Unknown (Unknown)

Date: 2025-08-20, 01:31 AM UTC

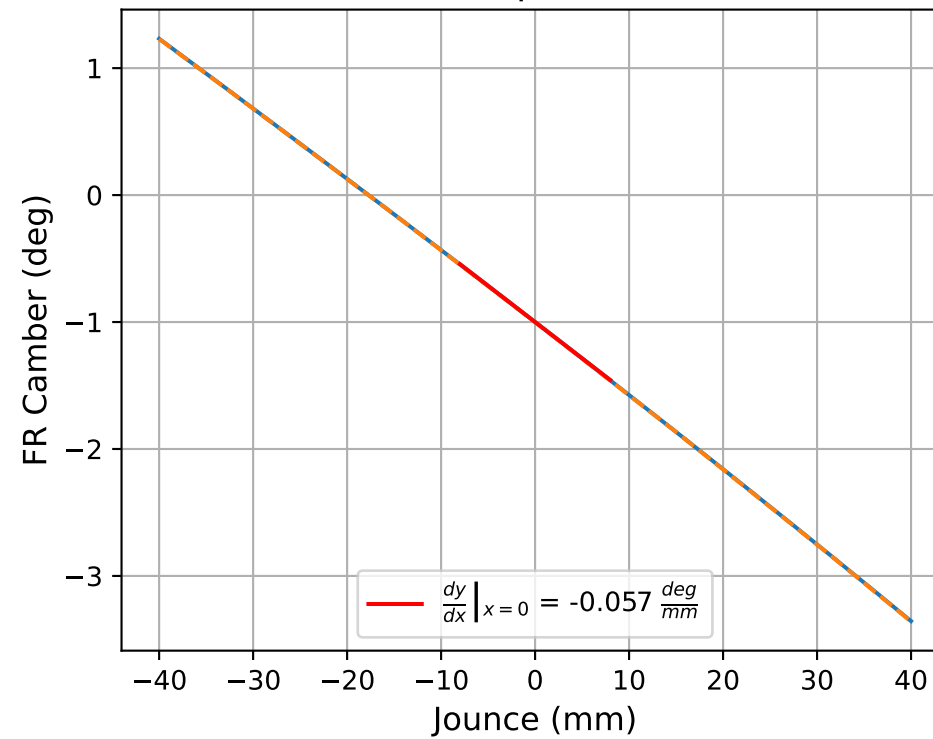
Note 1: Linear fits are tangent lines about $x = 0$ (NOT fits over the entire range)

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

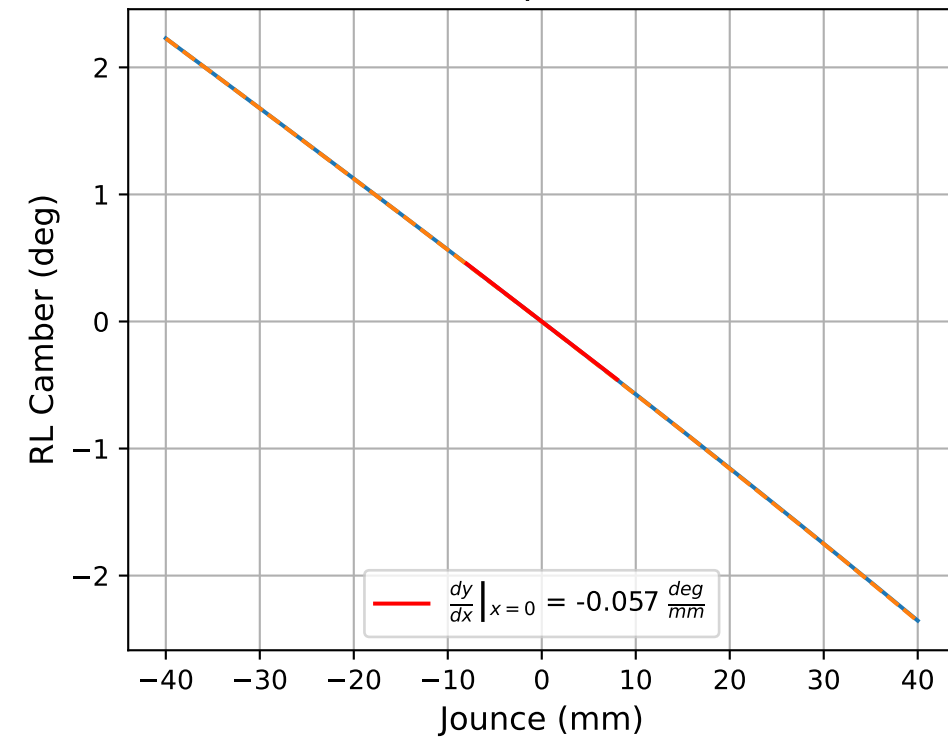
FL Bump Camber



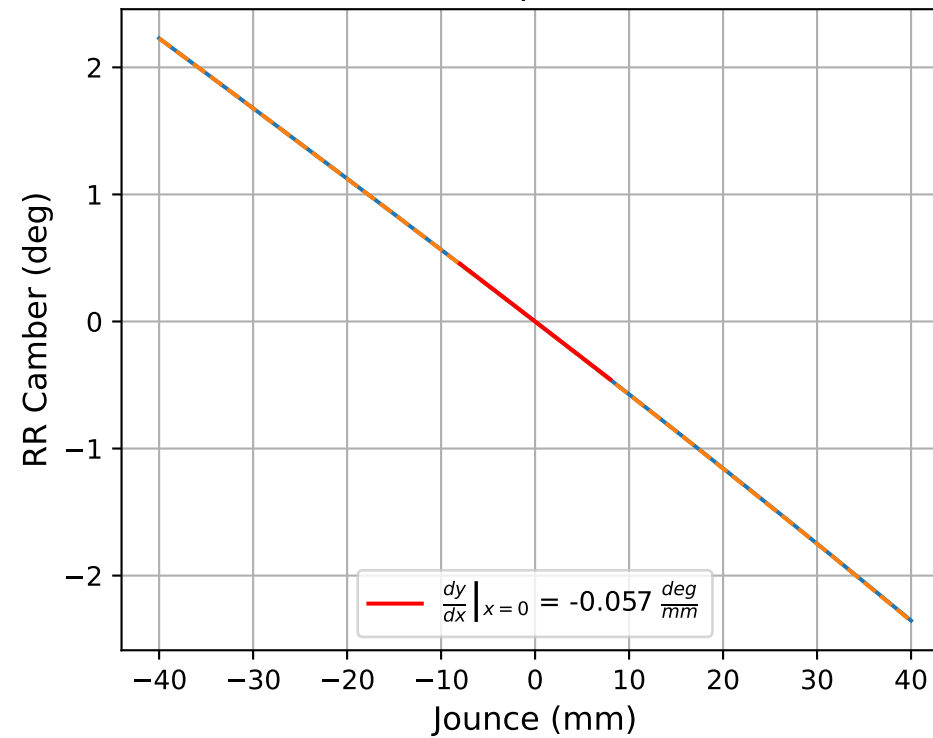
FR Bump Camber



RL Bump Camber



RR Bump Camber



Full Model
FMU

Linear Fit

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

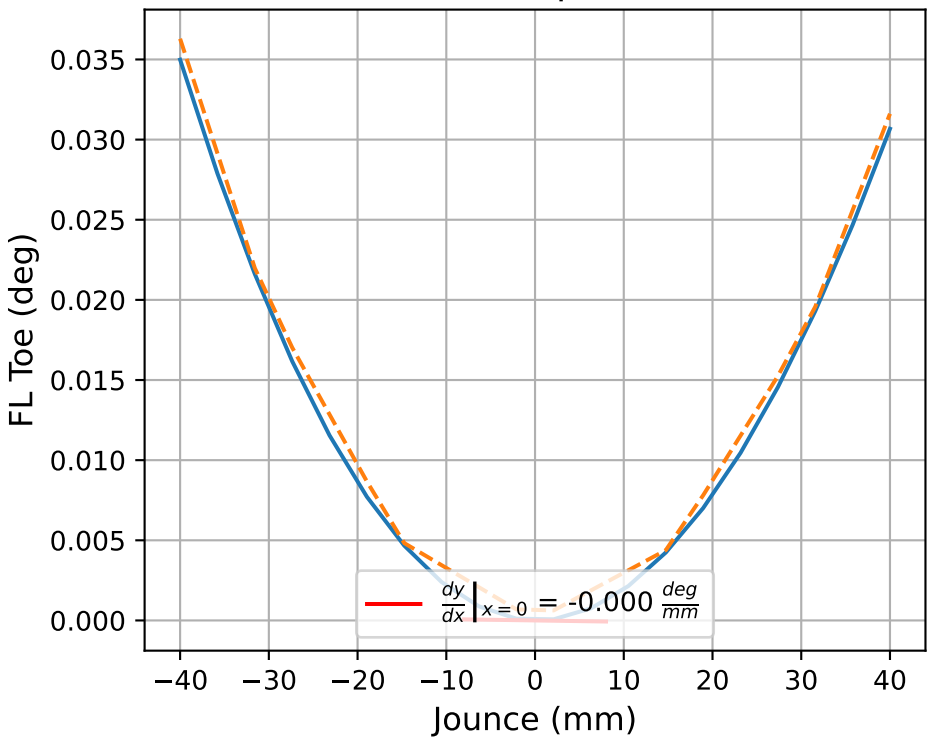
FL	$f(x) = -0.057x + -1.0$
FR	$f(x) = -0.057x + -1.0$
RL	$f(x) = -0.057x + 0.0$
RR	$f(x) = -0.057x + 0.0$

Cubic Fit

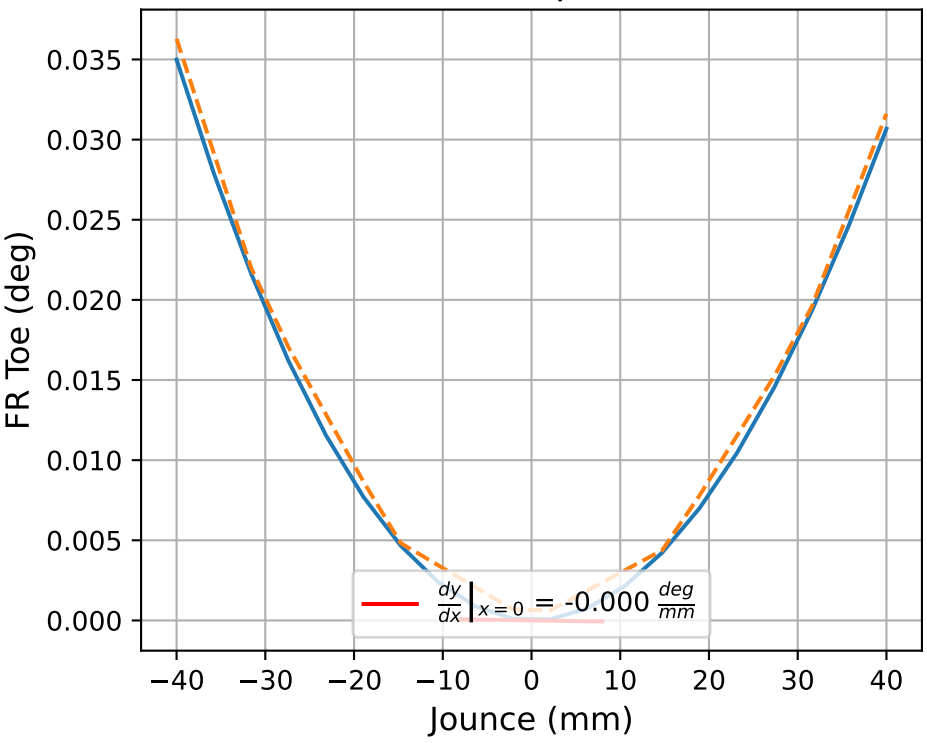
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

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	$f(x) = -0.0x^3 + -0.0x^2 + -0.057x + 0.0$

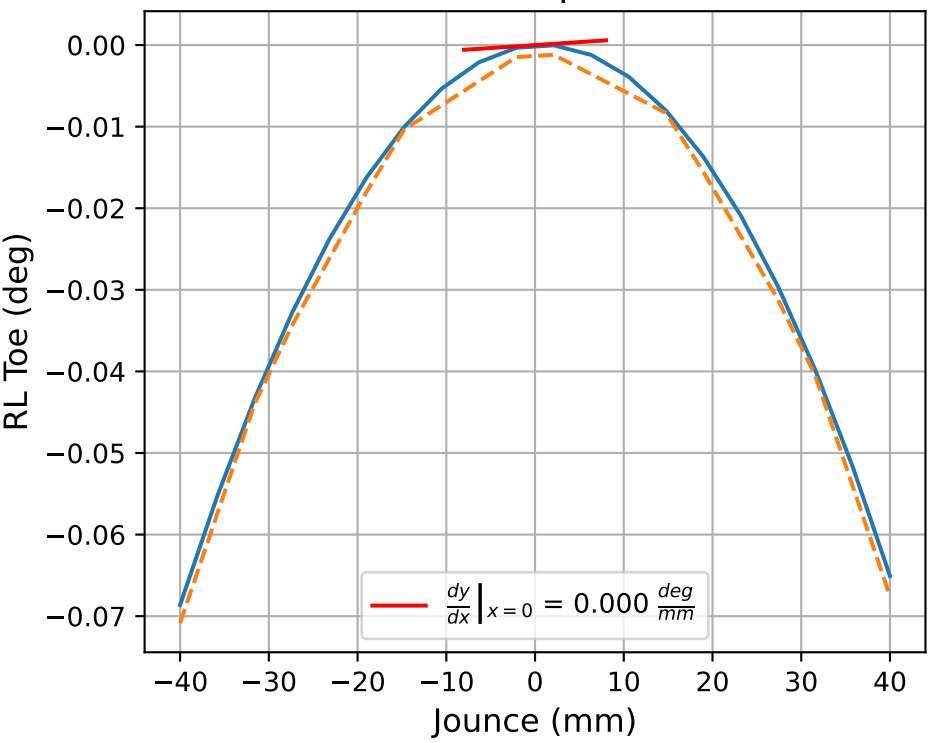
FL Bump Toe



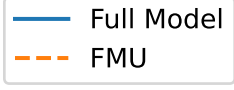
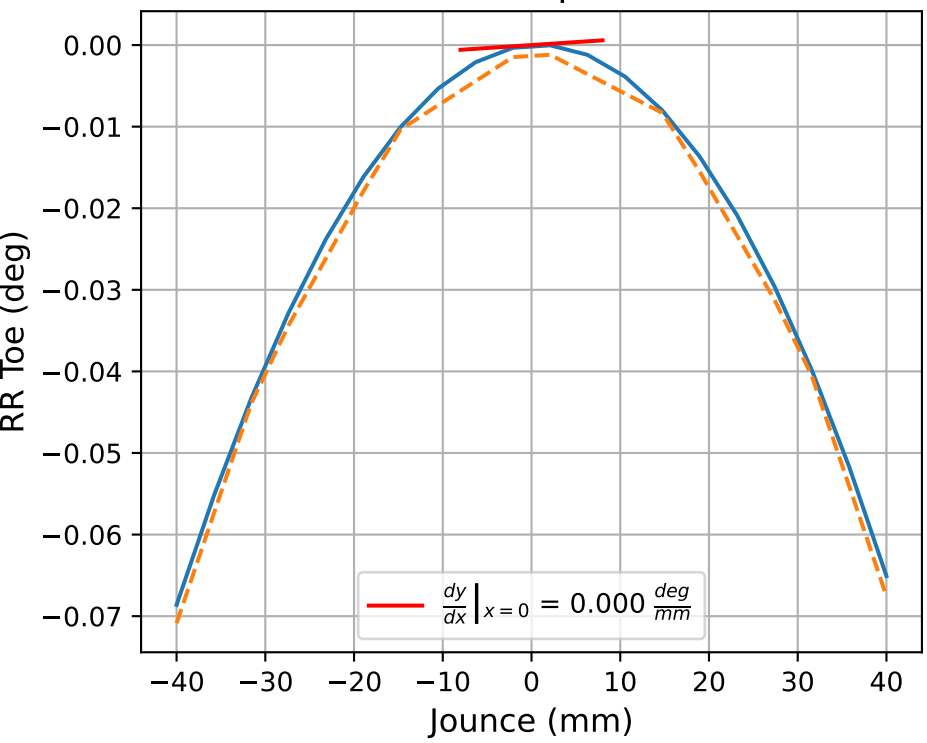
FR Bump Toe



RL Bump Toe



RR Bump Toe



Linear Fit

$f(x) = a_1x + a_0$

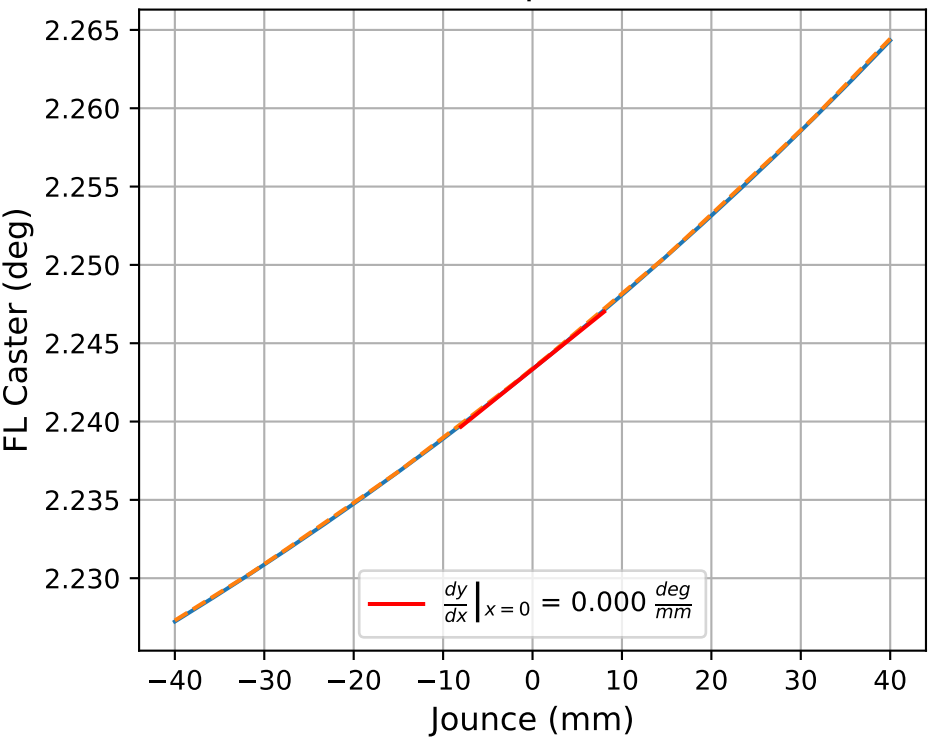
FL	$f(x) = -0.0x + -0.0$
FR	$f(x) = -0.0x + -0.0$
RL	$f(x) = 0.0x + 0.0$
RR	$f(x) = 0.0x + 0.0$

Cubic Fit

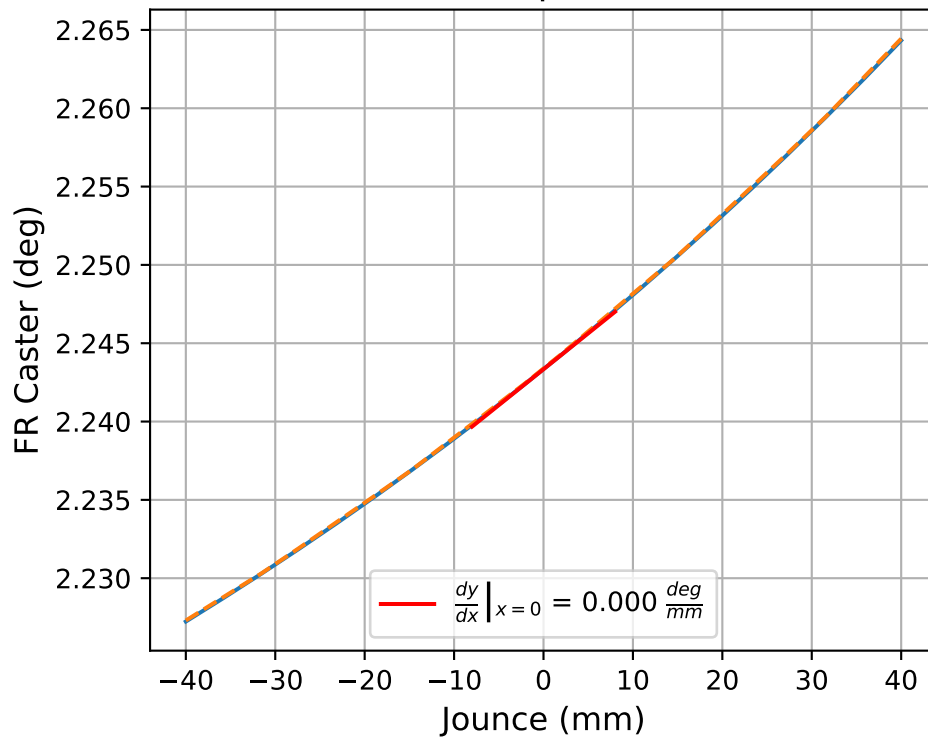
$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$

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	$f(x) = -0.0x^3 + -0.0x^2 + 0.0x + 0.0$

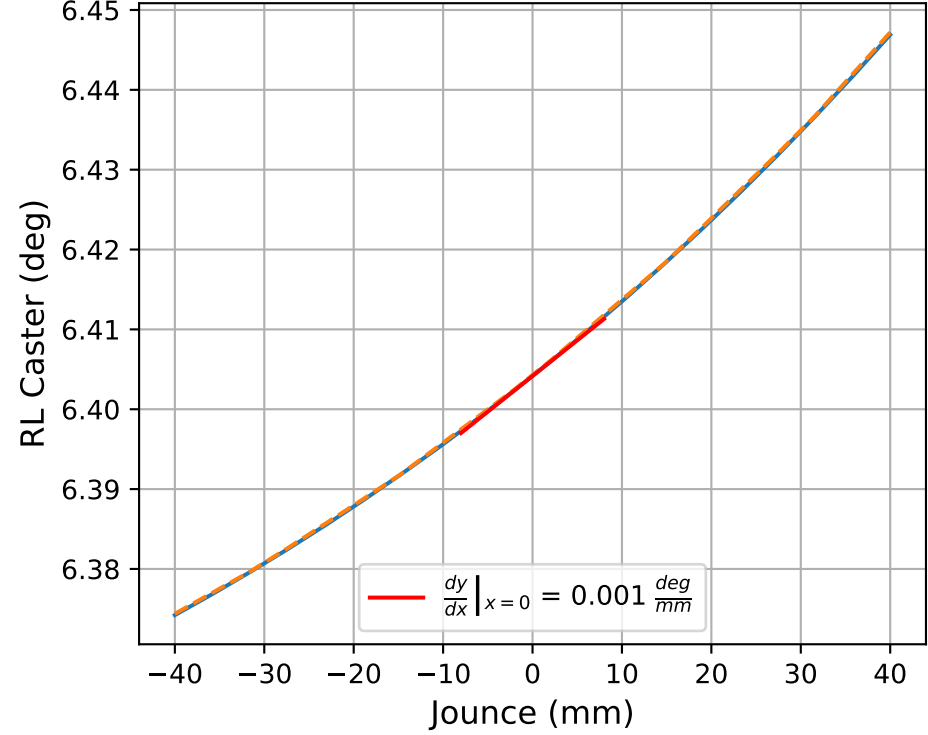
FL Bump Caster



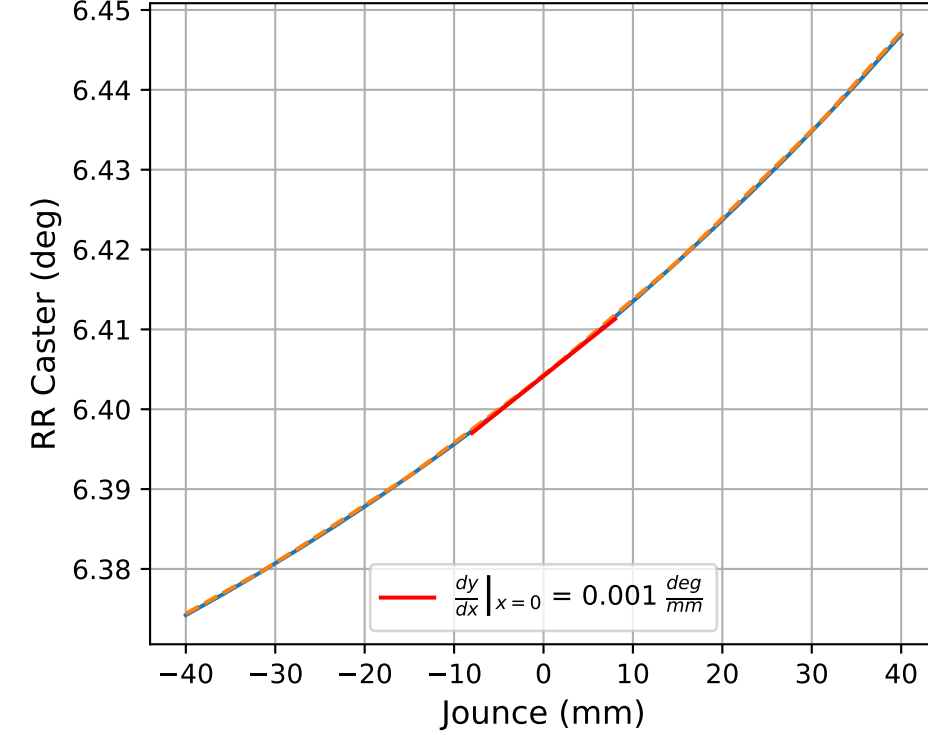
FR Bump Caster



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	$f(x) = 0.001x + 6.404$

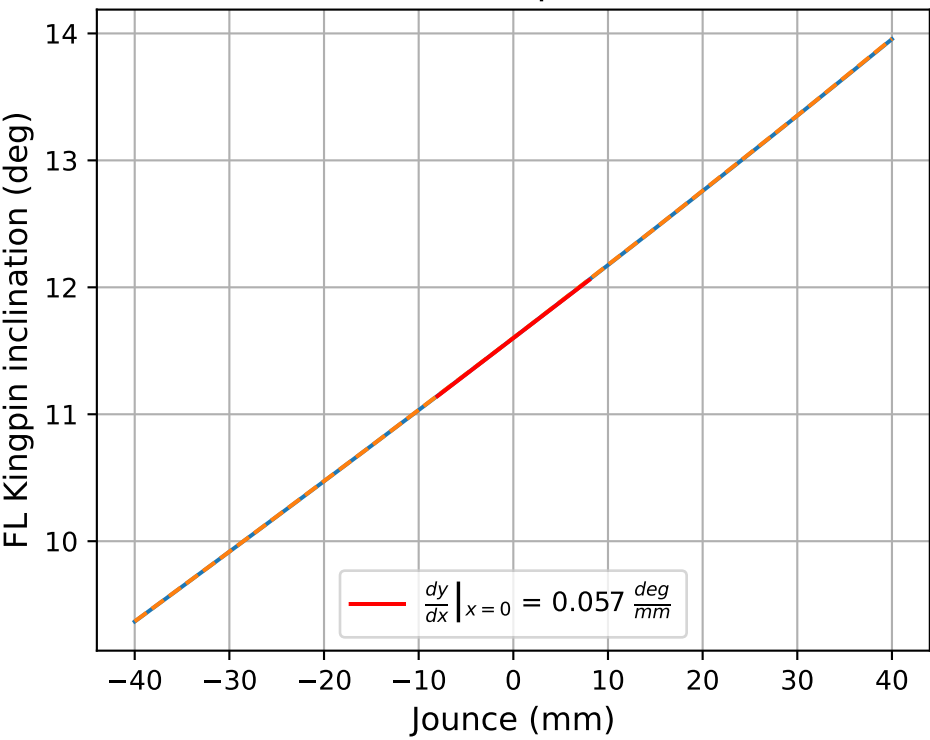
Cubic Fit

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

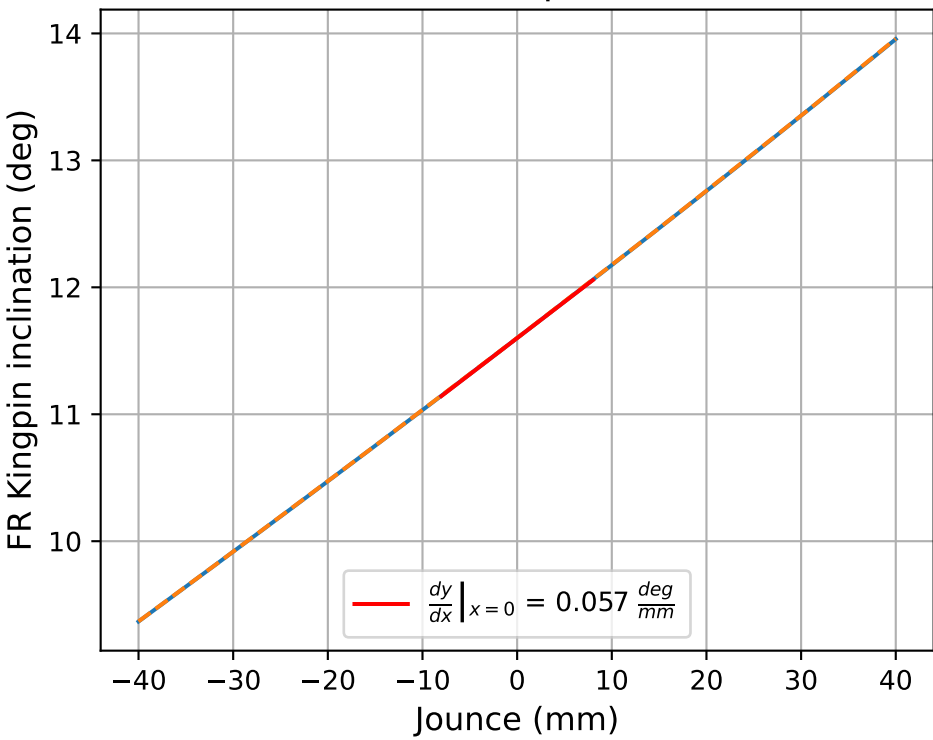
FL	$f(x) = 0.0x^3 + 0.0x^2 + 0.0x + 2.243$
FR	$f(x) = 0.0x^3 + 0.0x^2 + 0.0x + 2.243$
RL	$f(x) = 0.0x^3 + 0.0x^2 + 0.001x + 6.404$
RR	$f(x) = 0.0x^3 + 0.0x^2 + 0.001x + 6.404$



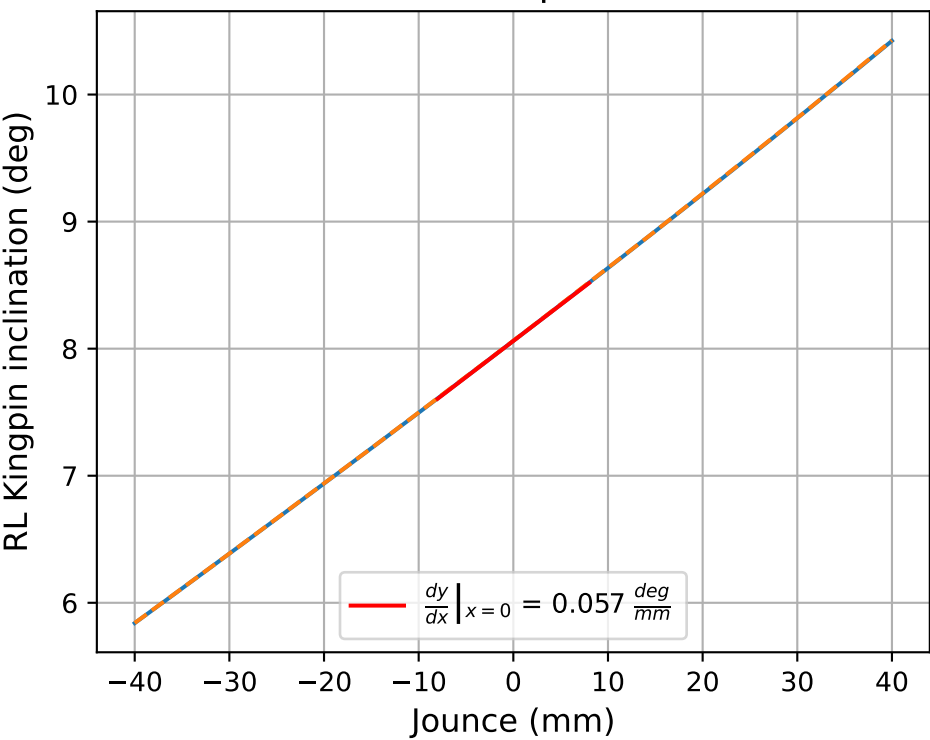
FL Bump KPI



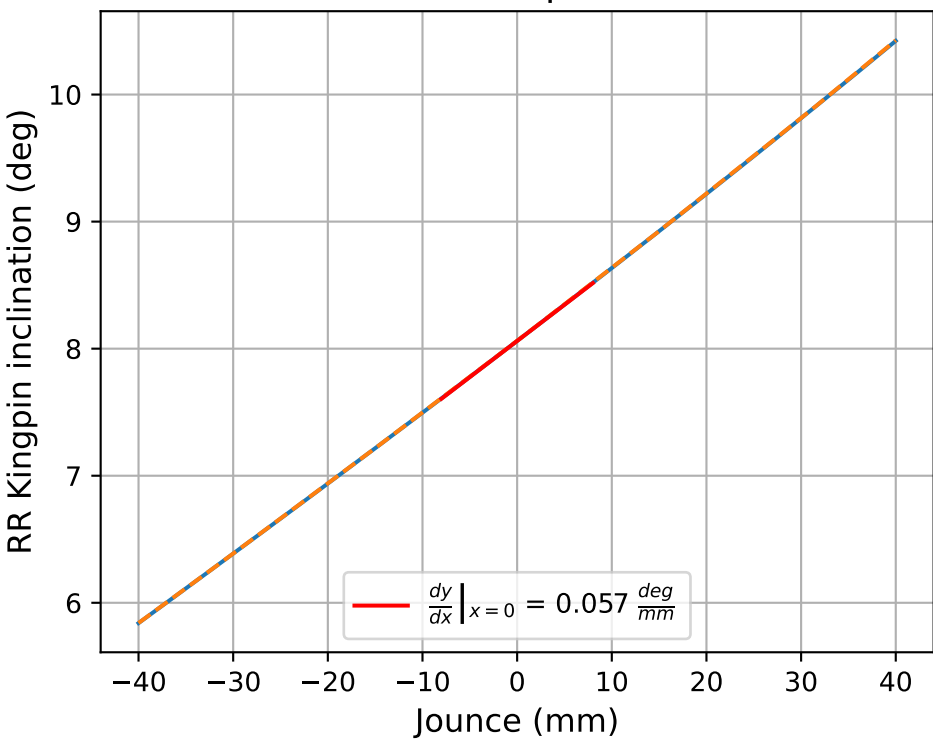
FR Bump KPI



RL Bump KPI



RR Bump KPI



Linear Fit

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

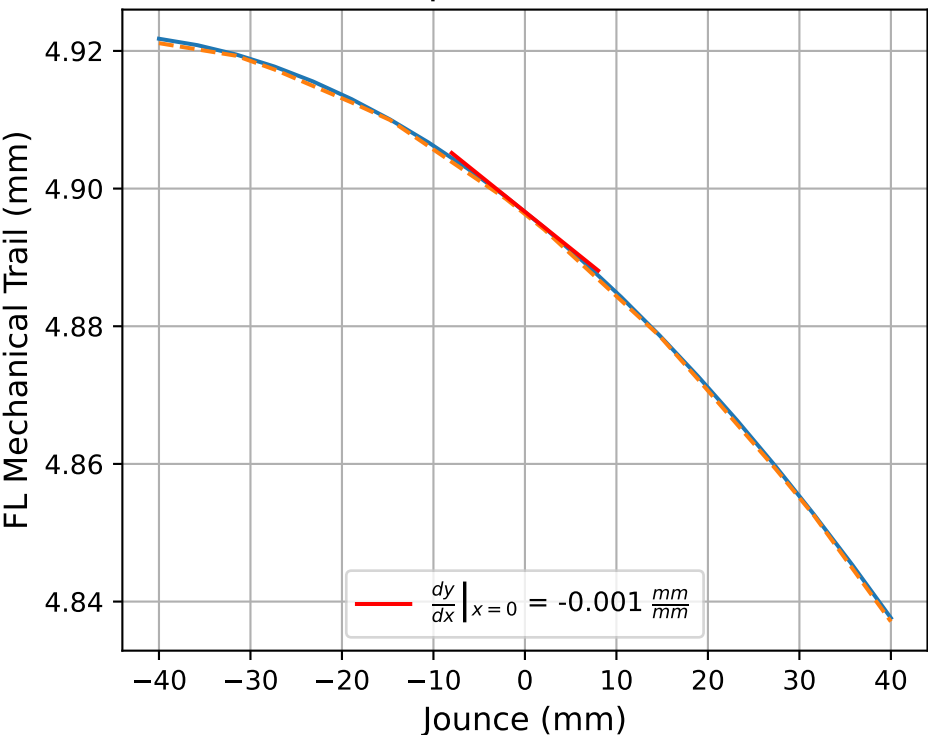
FL	$f(x) = 0.057x + 11.6$
FR	$f(x) = 0.057x + 11.6$
RL	$f(x) = 0.057x + 8.061$
RR	$f(x) = 0.057x + 8.061$

Cubic Fit

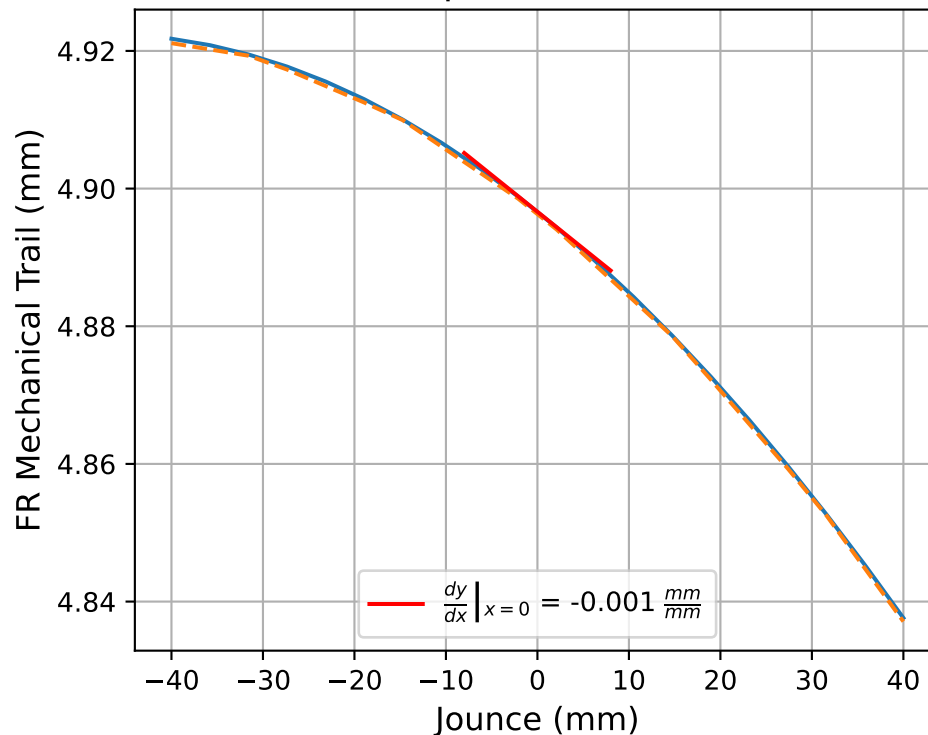
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

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	$f(x) = 0.0x^3 + 0.0x^2 + 0.057x + 8.061$

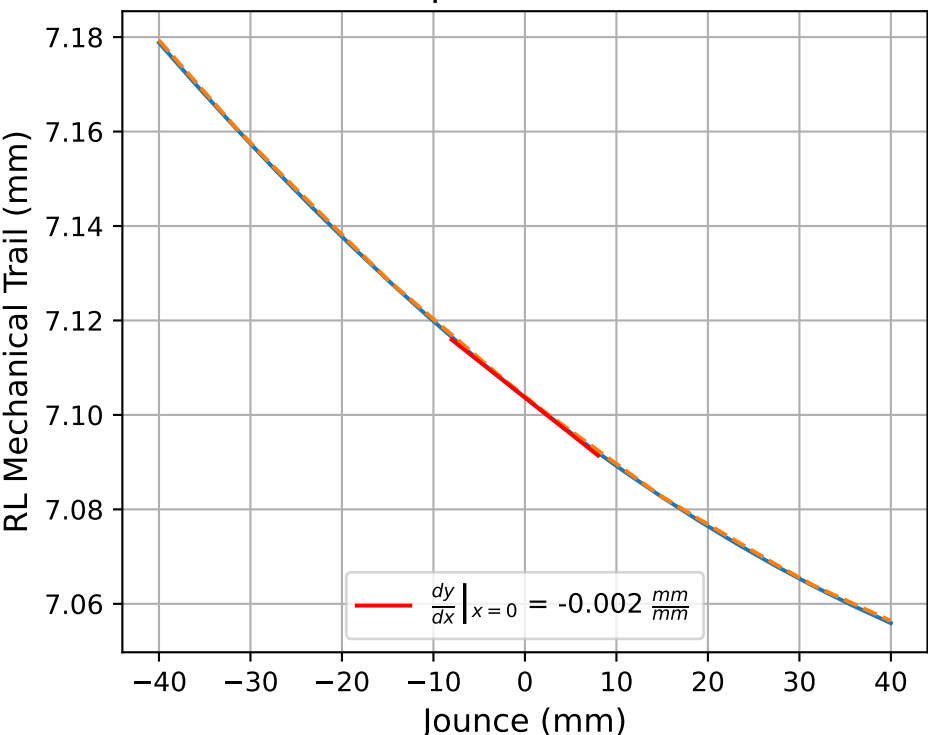
FL Bump Mechanical Trail



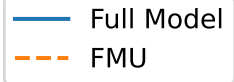
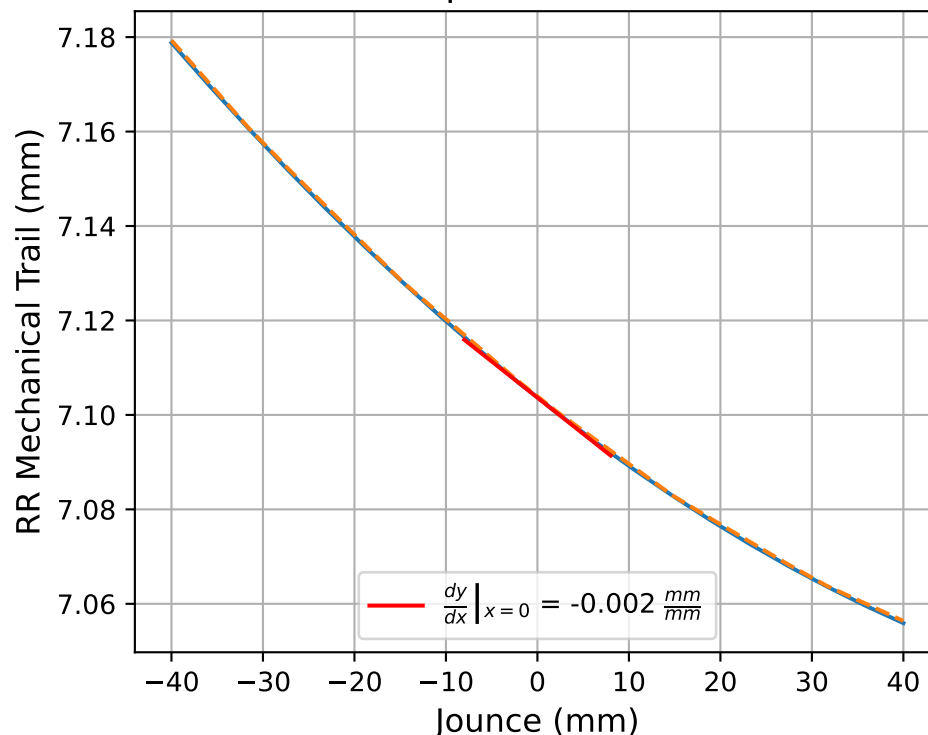
FR Bump Mechanical Trail



RL Bump Mechanical Trail



RR Bump Mechanical Trail



Linear Fit

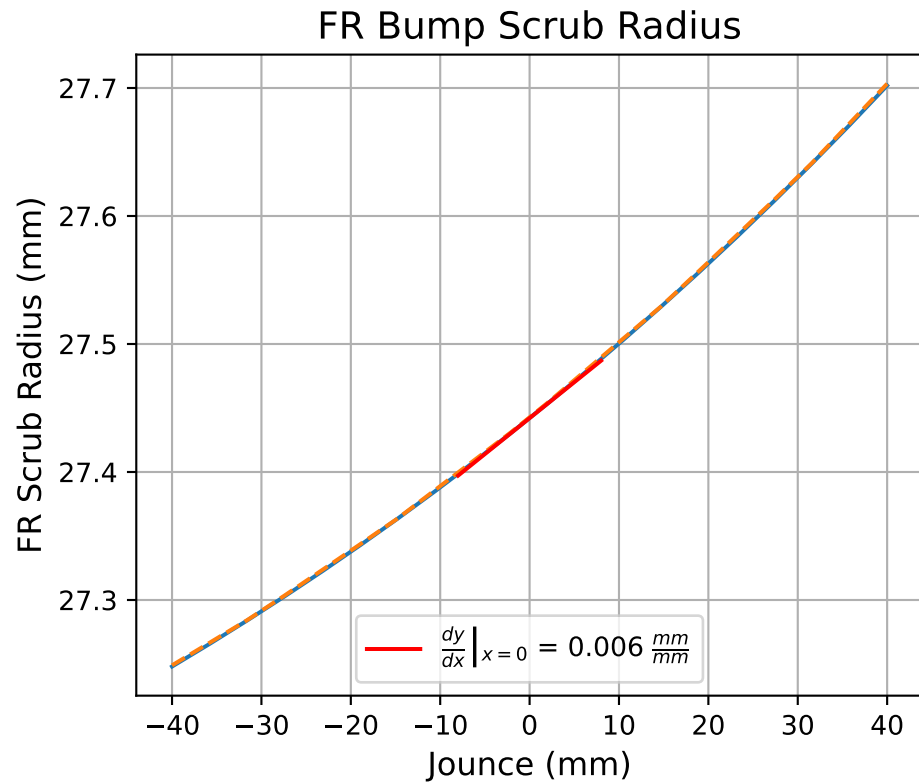
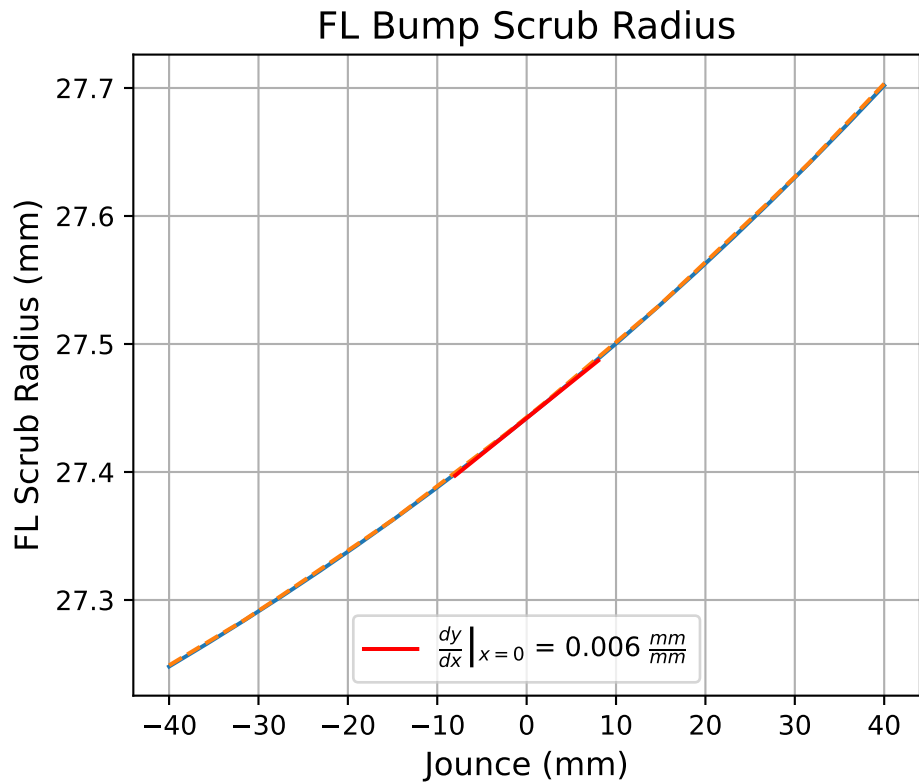
$$f(x) = a_1x + a_0$$

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

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

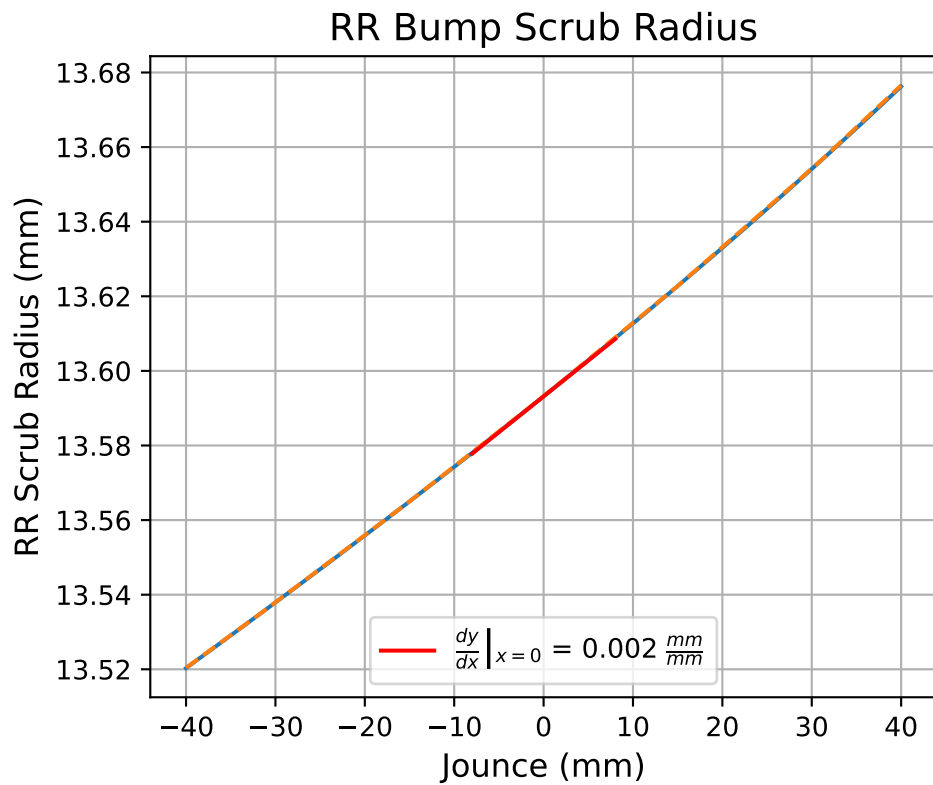
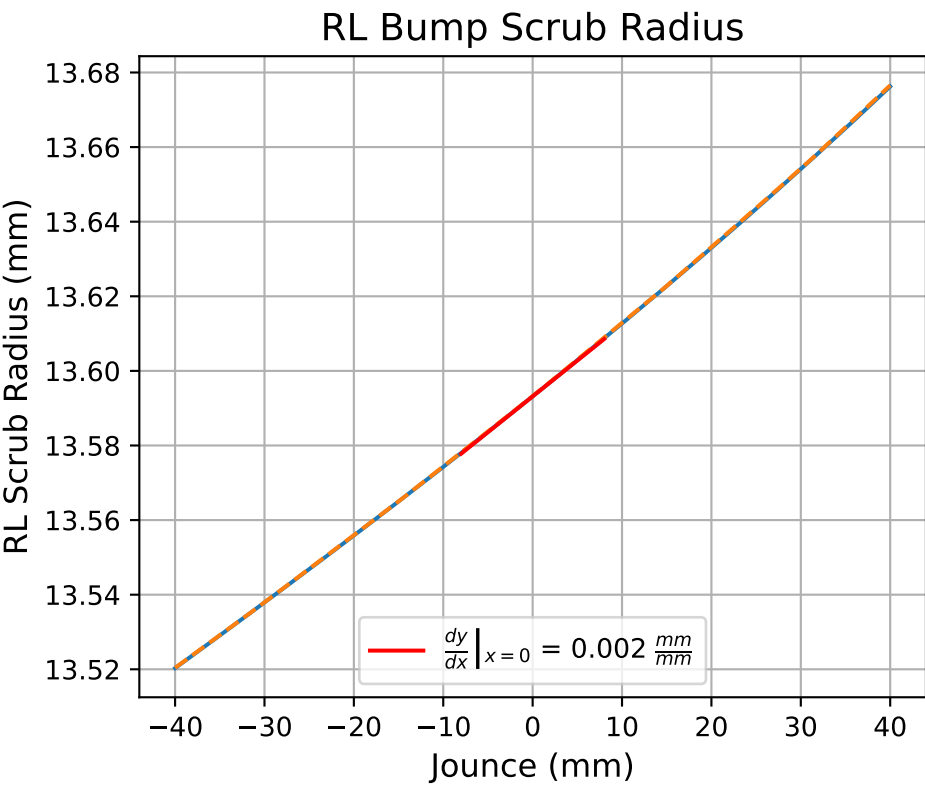
FL	$f(x) = 0.0x^3 + -0.0x^2 + -0.001x + 4.897$
FR	$f(x) = 0.0x^3 + -0.0x^2 + -0.001x + 4.897$
RL	$f(x) = -0.0x^3 + 0.0x^2 + -0.002x + 7.104$
RR	$f(x) = -0.0x^3 + 0.0x^2 + -0.002x + 7.104$



Full Model

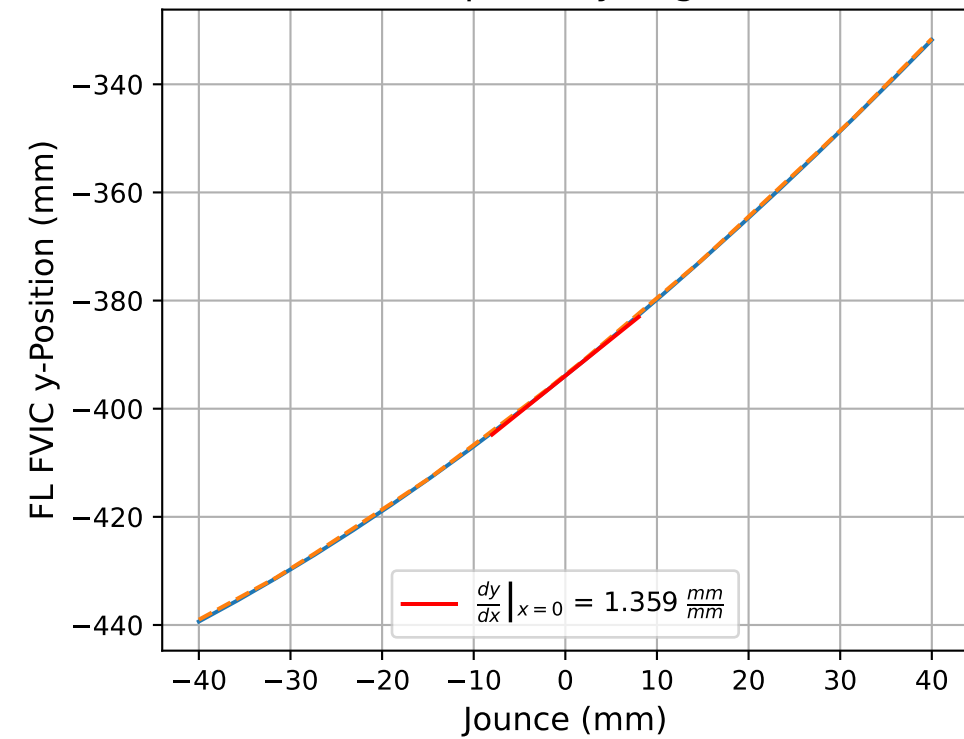
FMU

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	$f(x) = 0.002x + 13.593$	

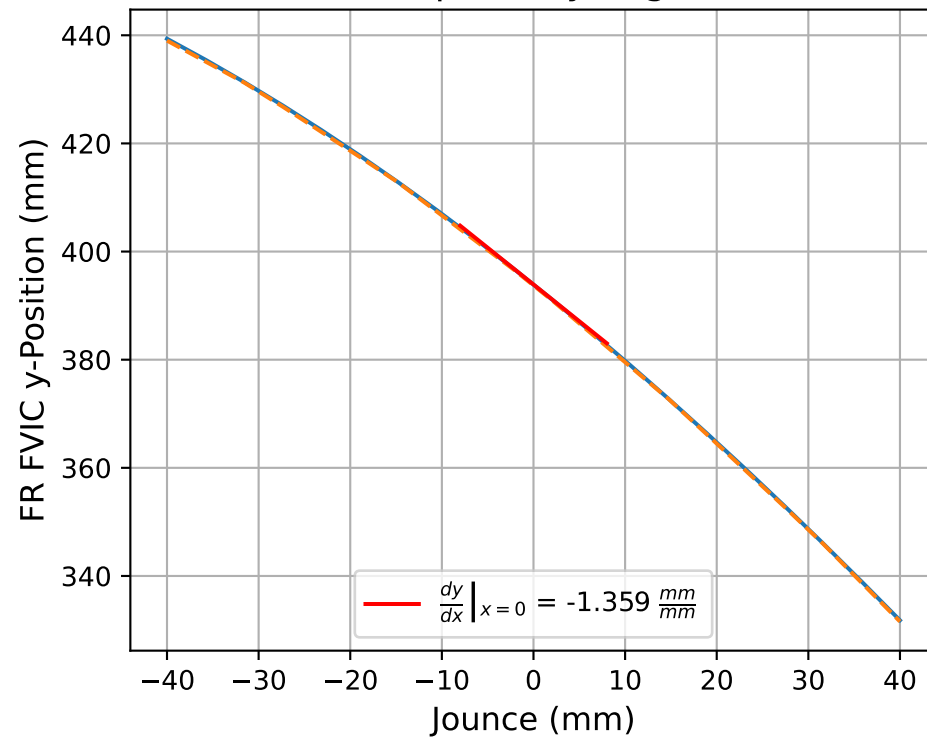


Cubic Fit		$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$
FL	$f(x) = 0.0x^3 + 0.0x^2 + 0.006x + 27.442$	
FR	$f(x) = 0.0x^3 + 0.0x^2 + 0.006x + 27.442$	
RL	$f(x) = 0.0x^3 + 0.0x^2 + 0.002x + 13.593$	
RR	$f(x) = 0.0x^3 + 0.0x^2 + 0.002x + 13.593$	

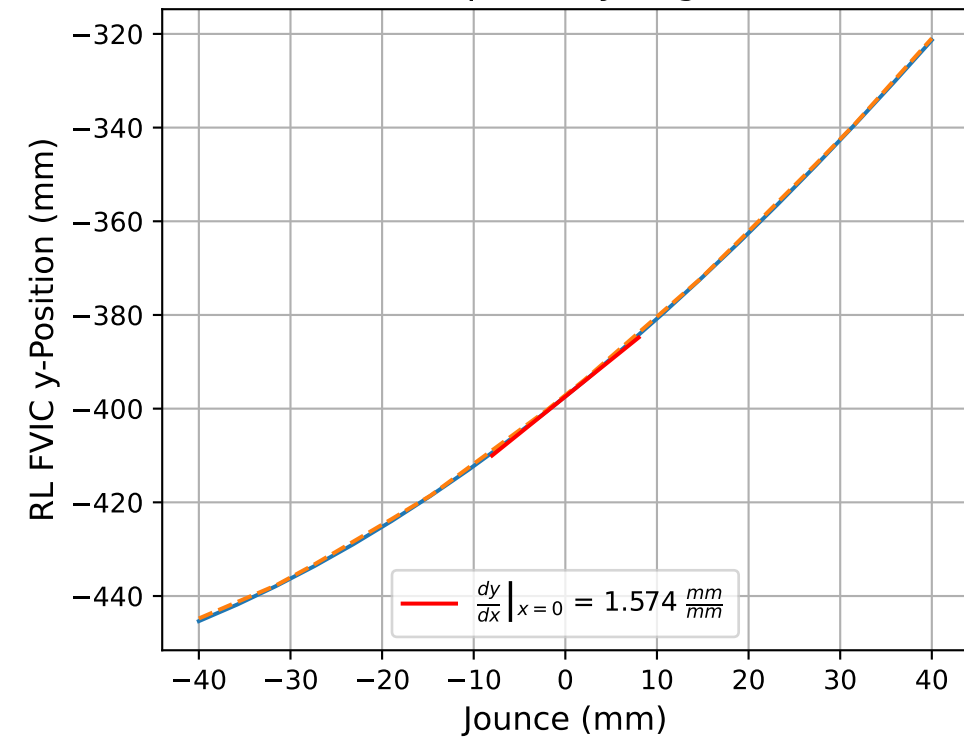
FL Bump FVIC y-Migration



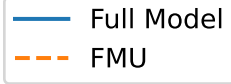
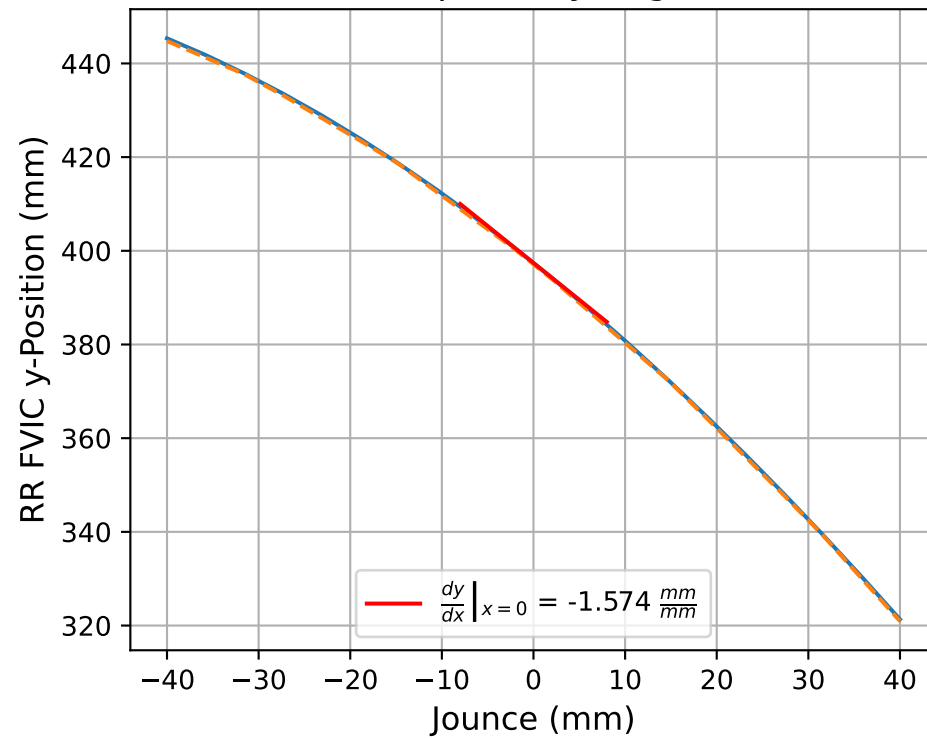
FR Bump FVIC y-Migration



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	$f(x) = -1.574x + 397.417$

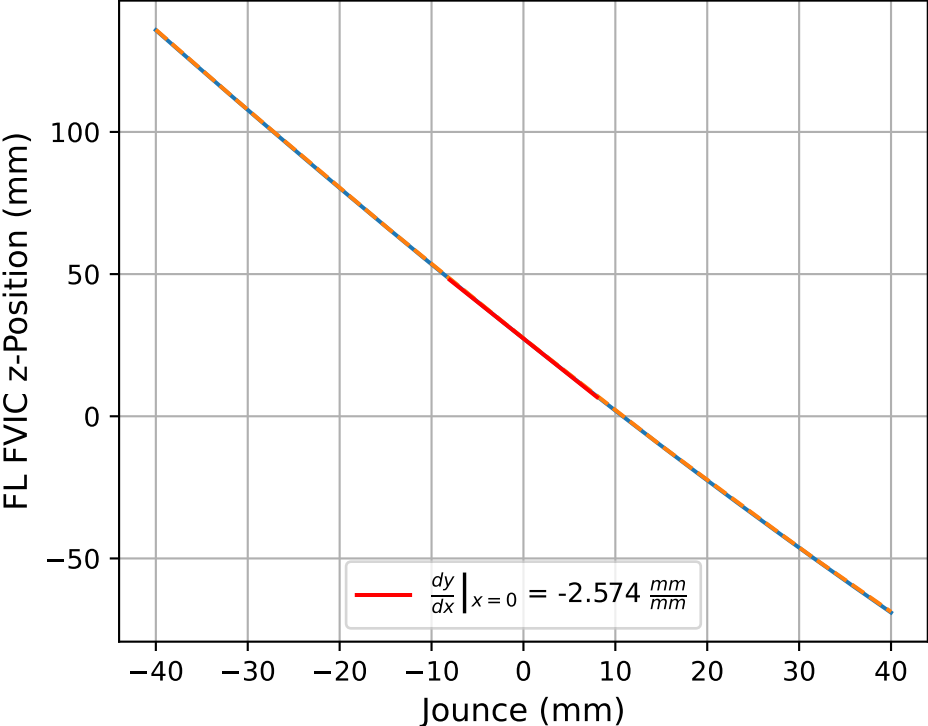
Cubic Fit

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

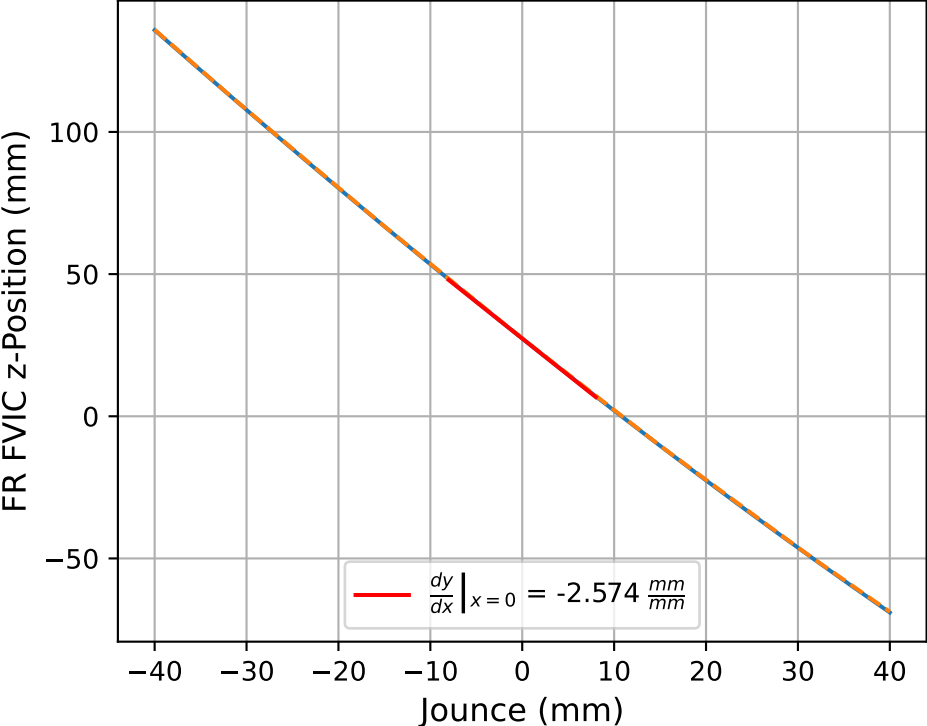
FL	$f(x) = -0.0x^3 + 0.005x^2 + 1.359x + -393.906$
FR	$f(x) = 0.0x^3 + -0.005x^2 + -1.359x + 393.906$
RL	$f(x) = -0.0x^3 + 0.009x^2 + 1.574x + -397.413$
RR	$f(x) = 0.0x^3 + -0.009x^2 + -1.574x + 397.413$



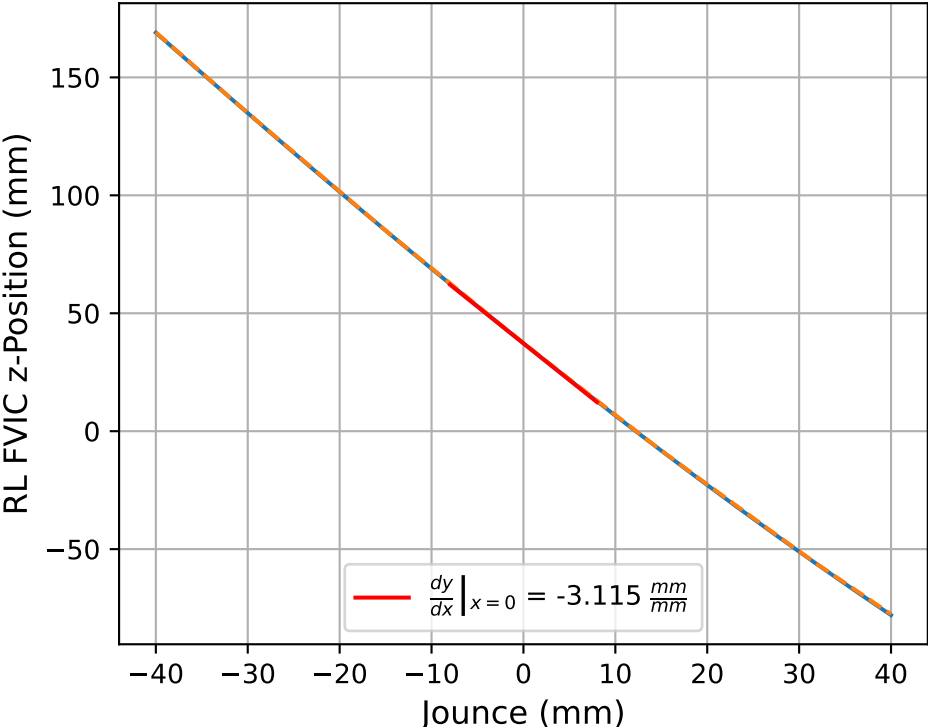
FL Bump FVIC z-Migration



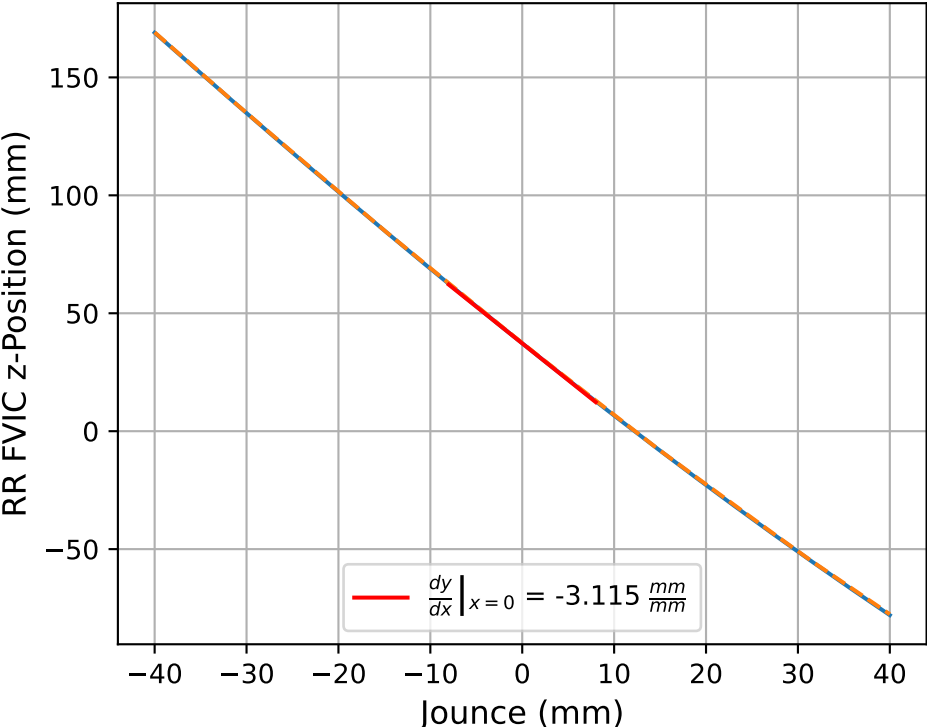
FR Bump FVIC z-Migration



RL Bump FVIC z-Migration



RR Bump FVIC z-Migration



Linear Fit

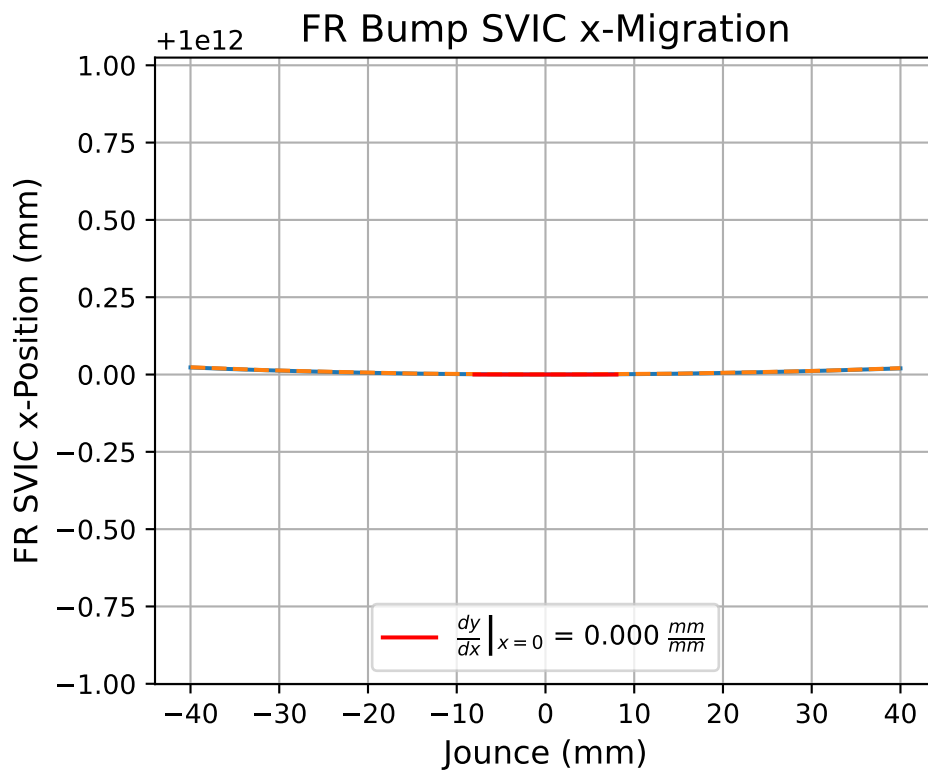
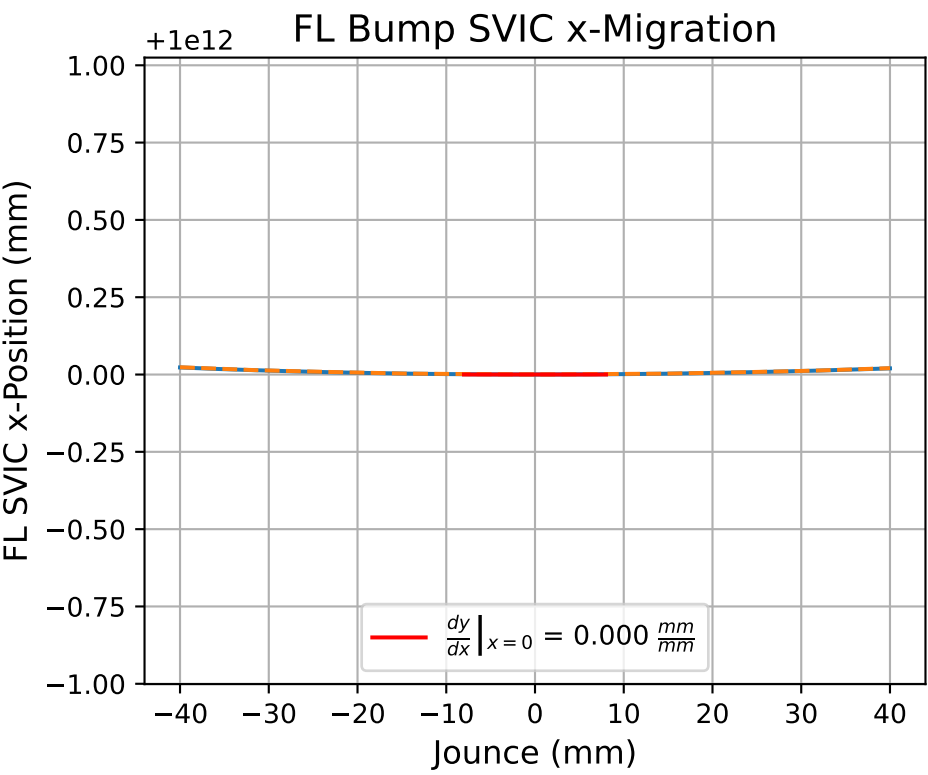
$$f(x) = a_1x + a_0$$

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

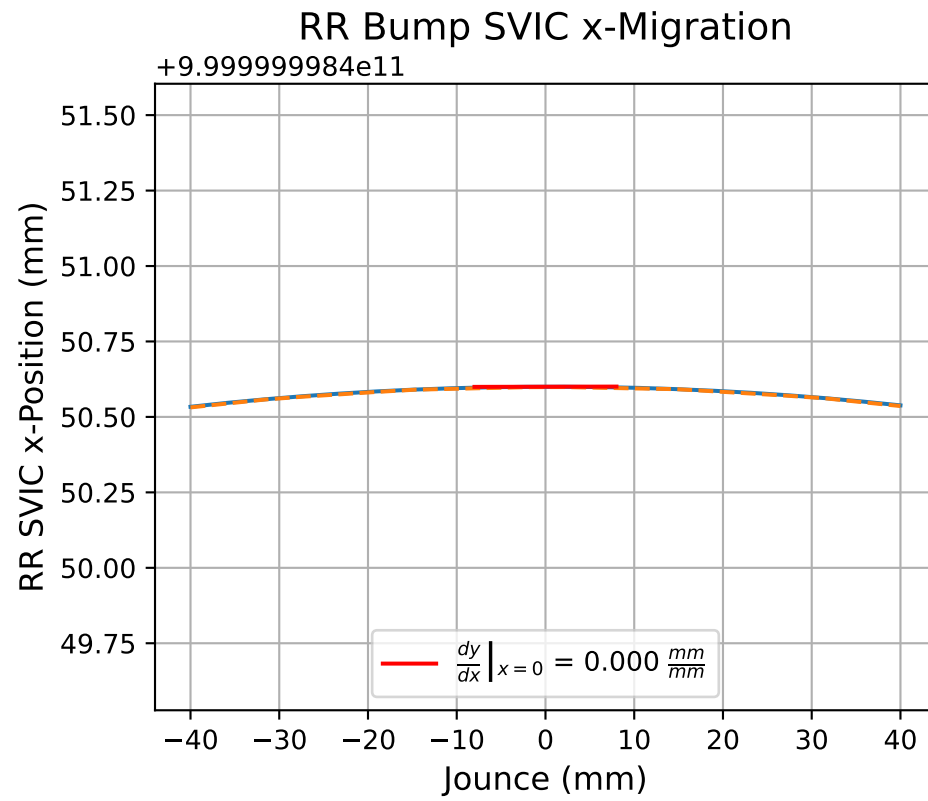
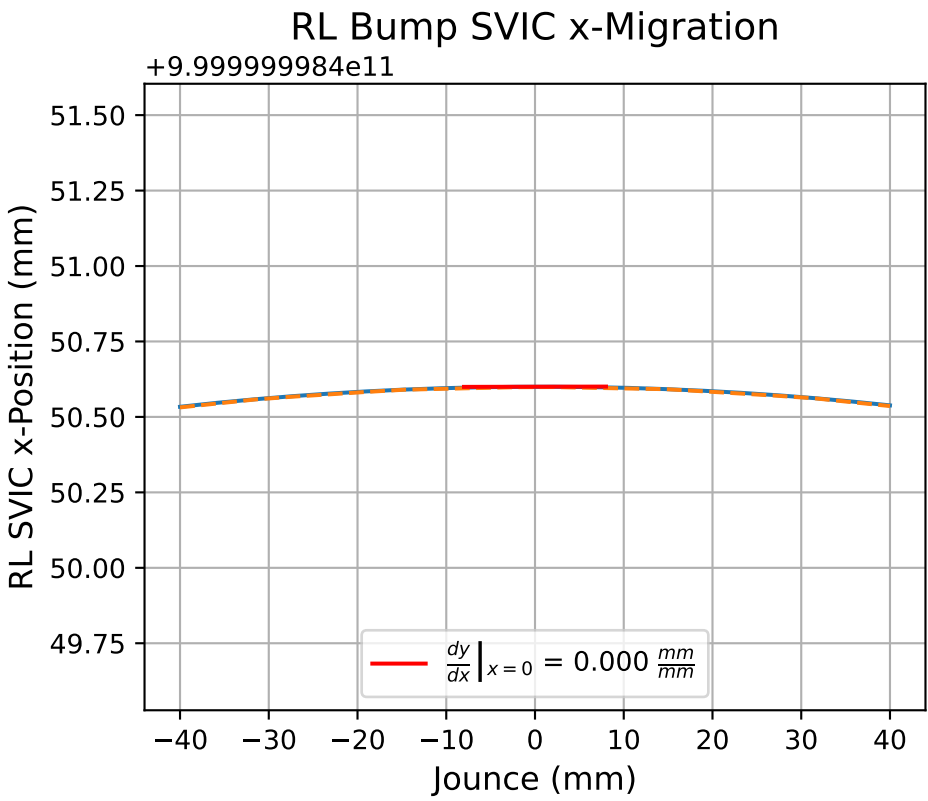
Cubic Fit

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

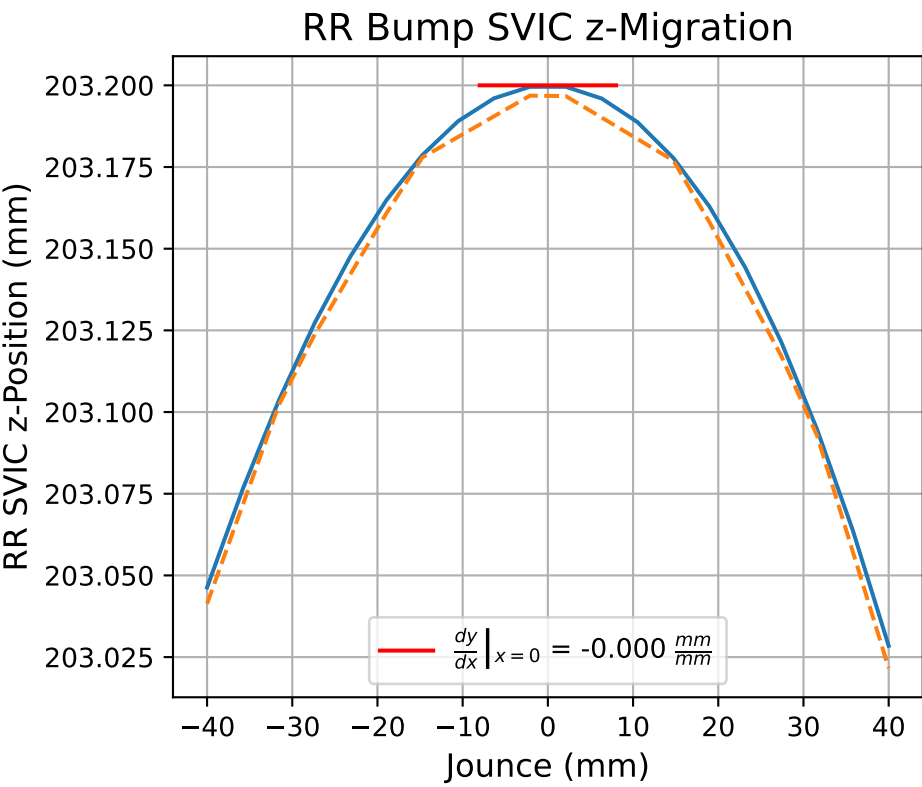
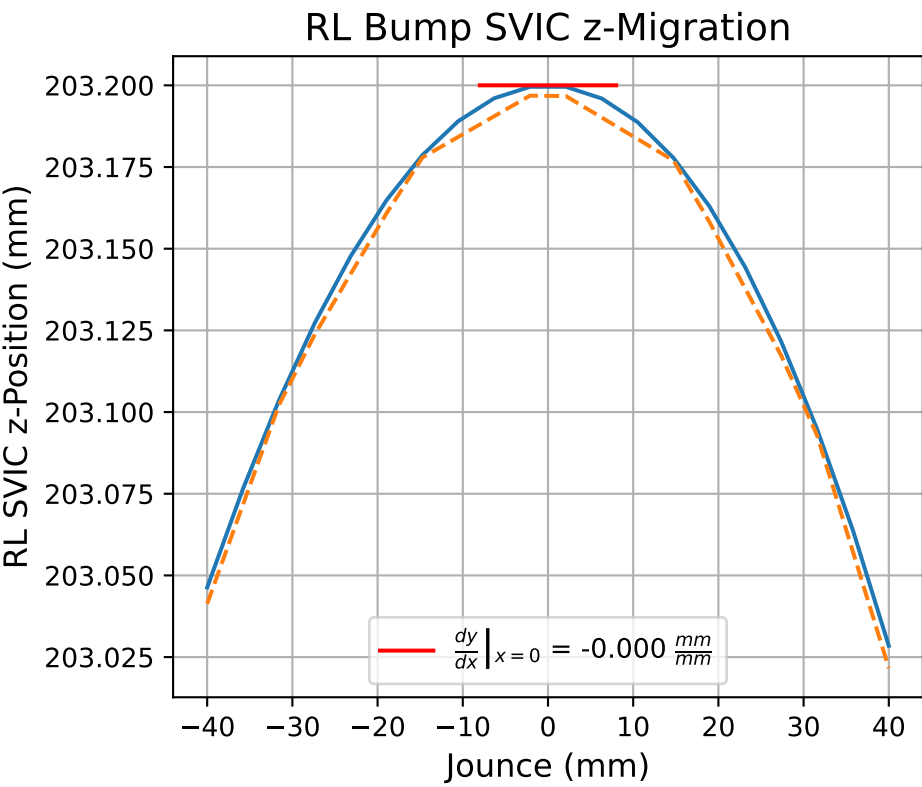
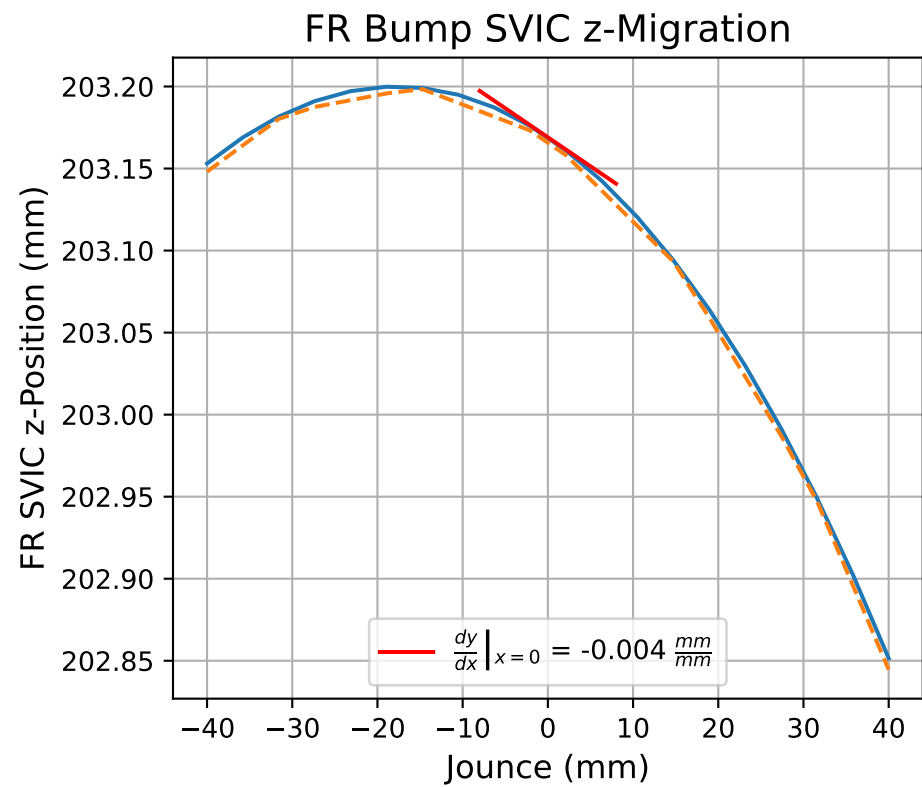
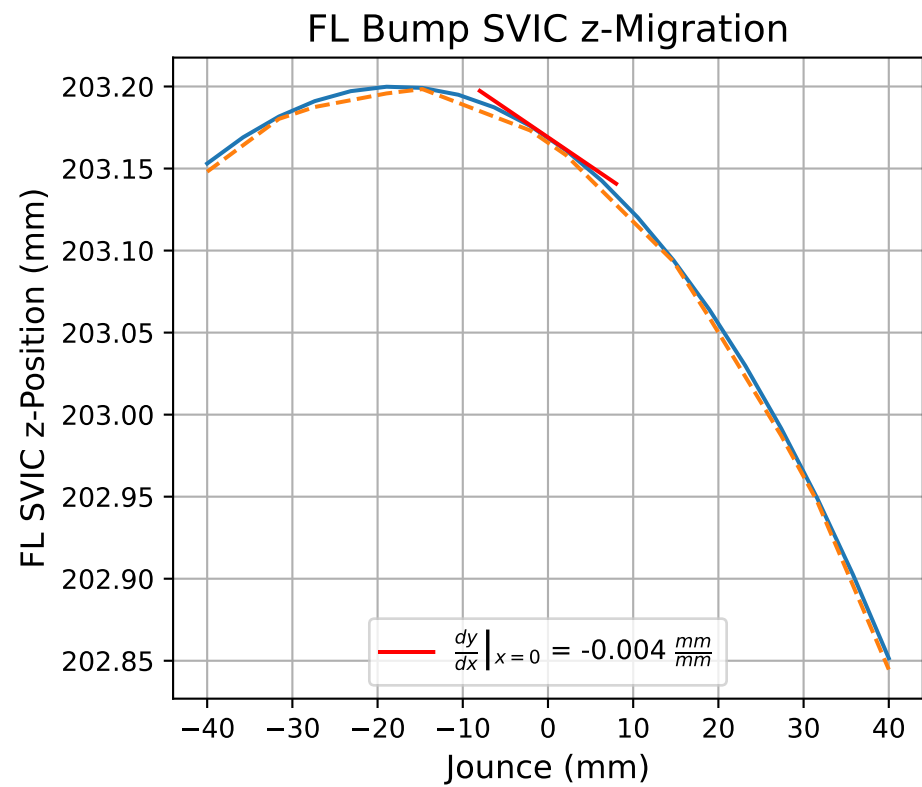
FL	$f(x) = 0.0x^3 + 0.004x^2 + -2.574x + 27.343$
FR	$f(x) = 0.0x^3 + 0.004x^2 + -2.574x + 27.343$
RL	$f(x) = 0.0x^3 + 0.005x^2 + -3.115x + 37.245$
RR	$f(x) = 0.0x^3 + 0.005x^2 + -3.115x + 37.245$



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		$f(x) = 0.0x + 1.000e+12$

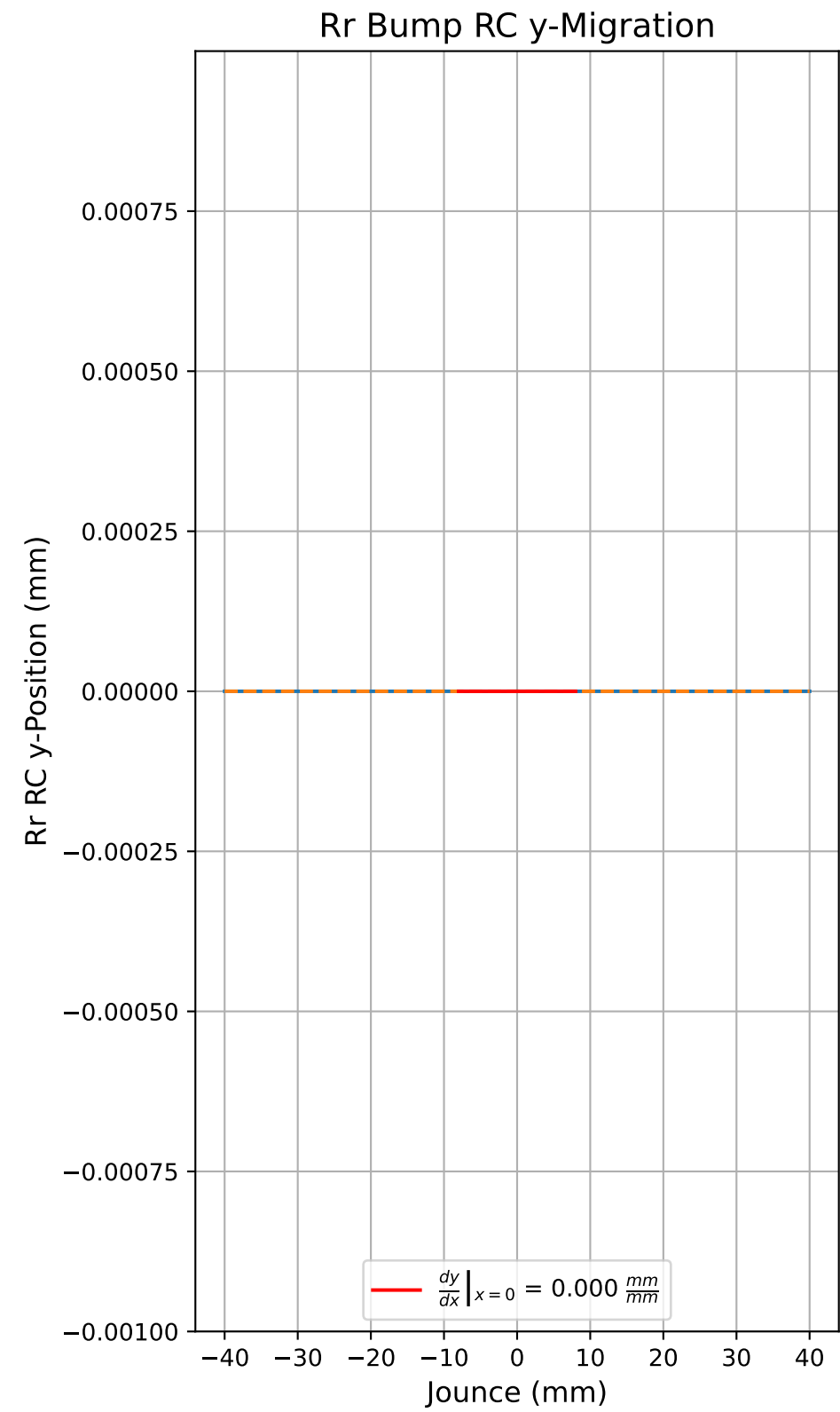
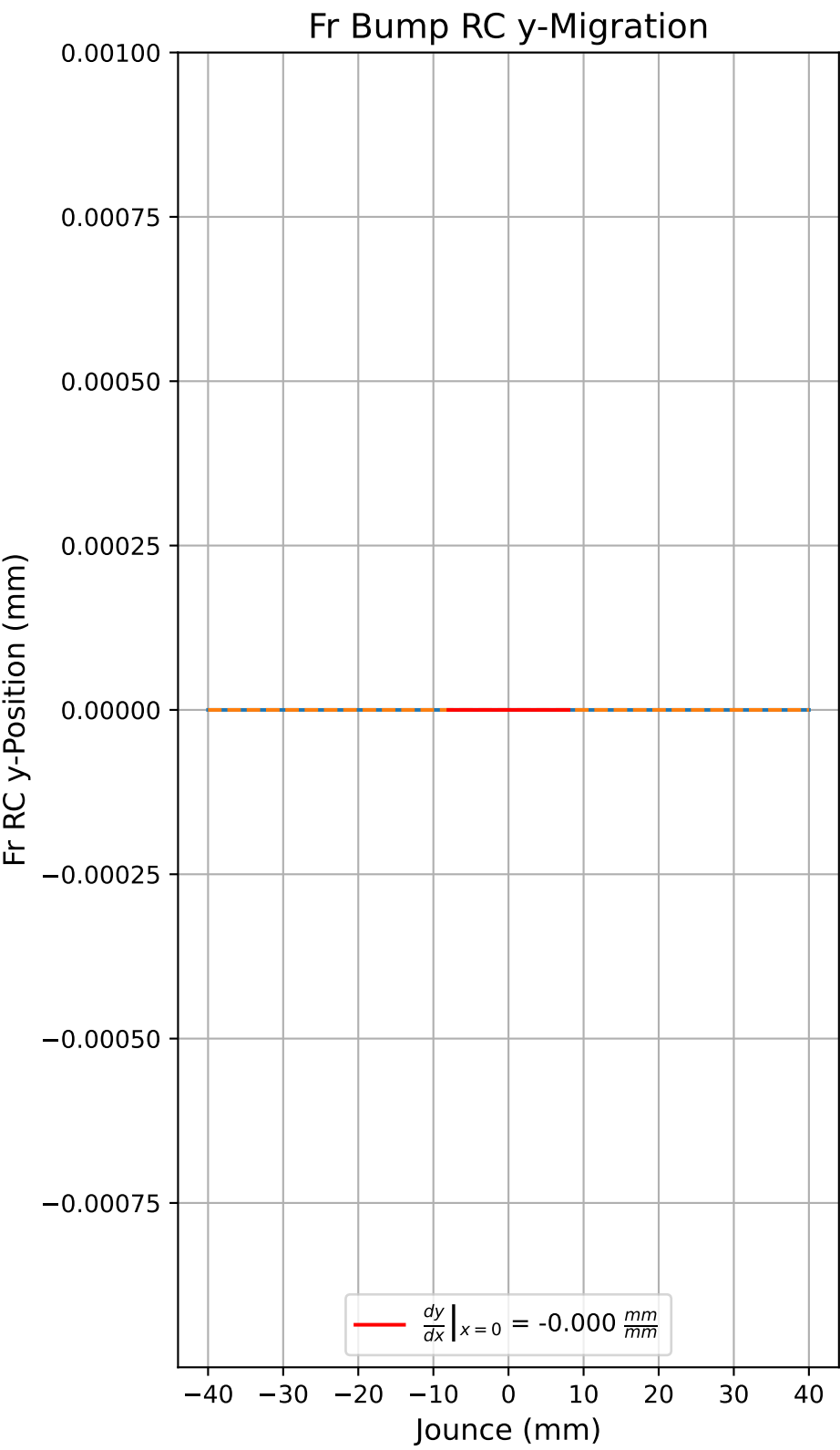


Cubic Fit		$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$
FL		$f(x) = 0.0x^3 + 0.0x^2 + -0.0x + 1.0e+12$
FR		$f(x) = 0.0x^3 + 0.0x^2 + -0.0x + 1.0e+12$
RL		$f(x) = 0.0x^3 + -0.0x^2 + 0.0x + 1.0e+12$
RR		$f(x) = 0.0x^3 + -0.0x^2 + 0.0x + 1.0e+12$



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	$f(x) = -0.0x + 203.2$

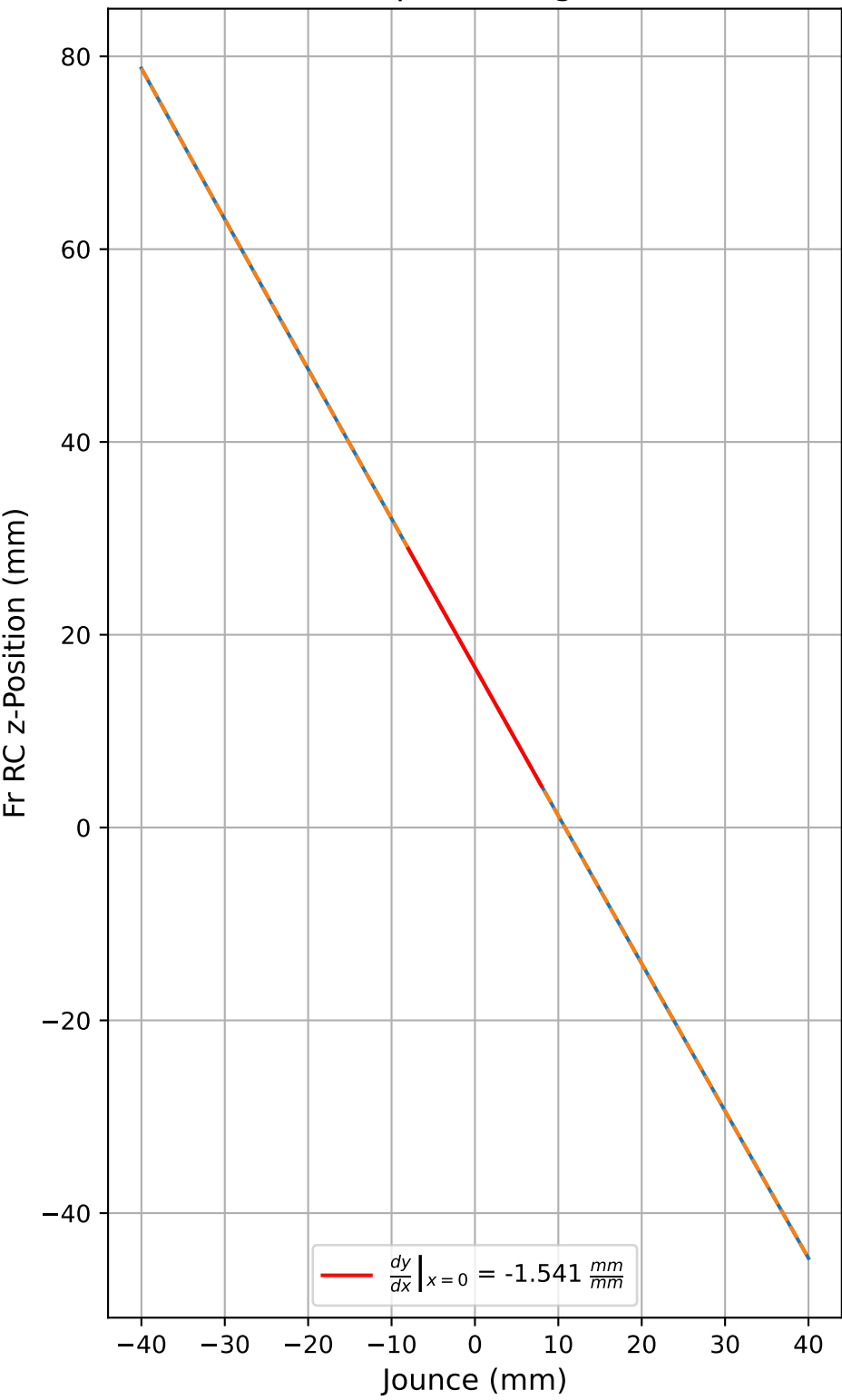
Cubic Fit $f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$	
FL	$f(x) = -0.0x^3 + -0.0x^2 + -0.004x + 203.169$
FR	$f(x) = -0.0x^3 + -0.0x^2 + -0.004x + 203.169$
RL	$f(x) = -0.0x^3 + -0.0x^2 + 0.0x + 203.2$
RR	$f(x) = -0.0x^3 + -0.0x^2 + 0.0x + 203.2$



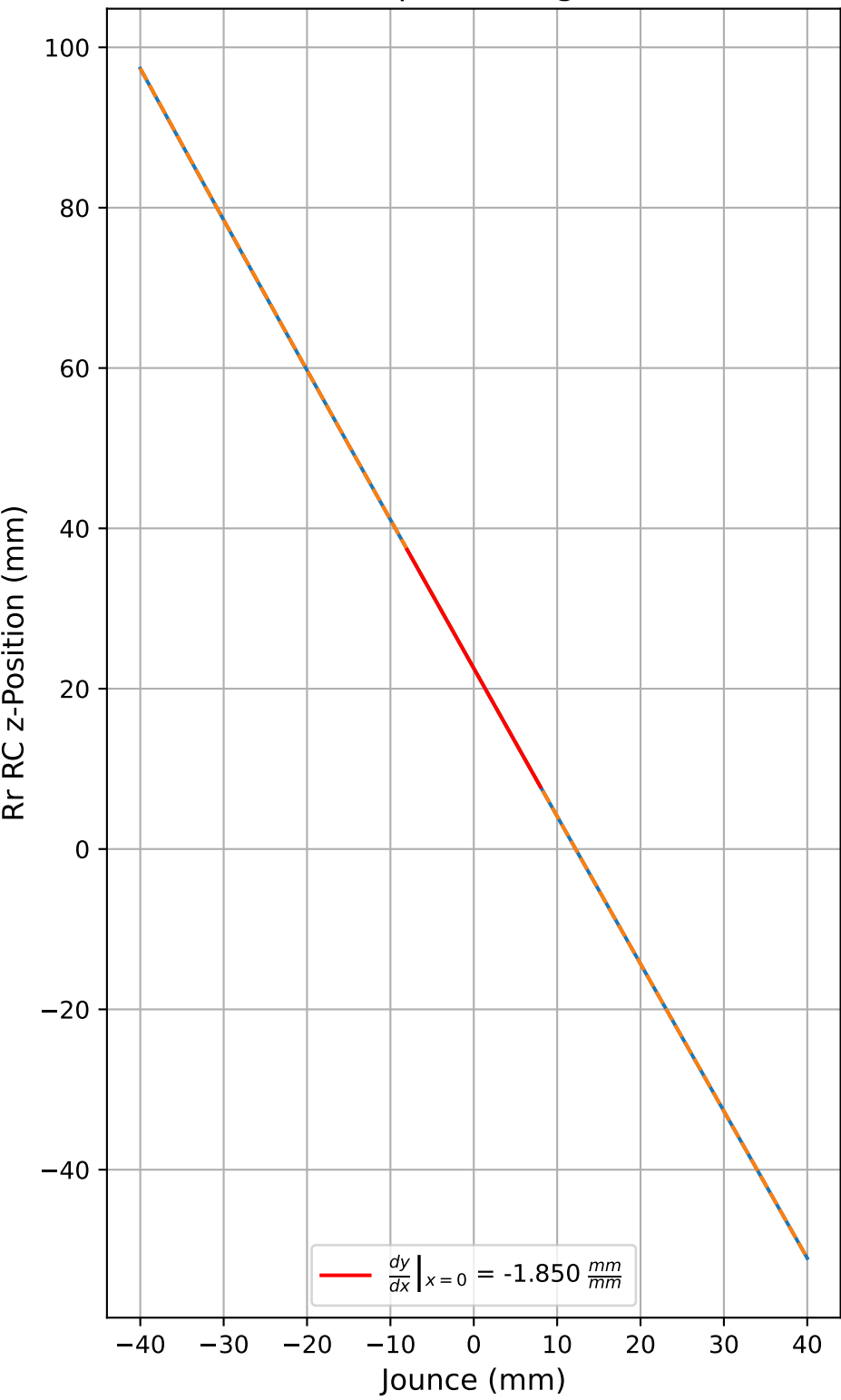
Linear Fit		$f(x) = a_1x + a_0$
Fr		$f(x) = -0.0x + -0.0$
Rr		$f(x) = 0.0x + -0.0$

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



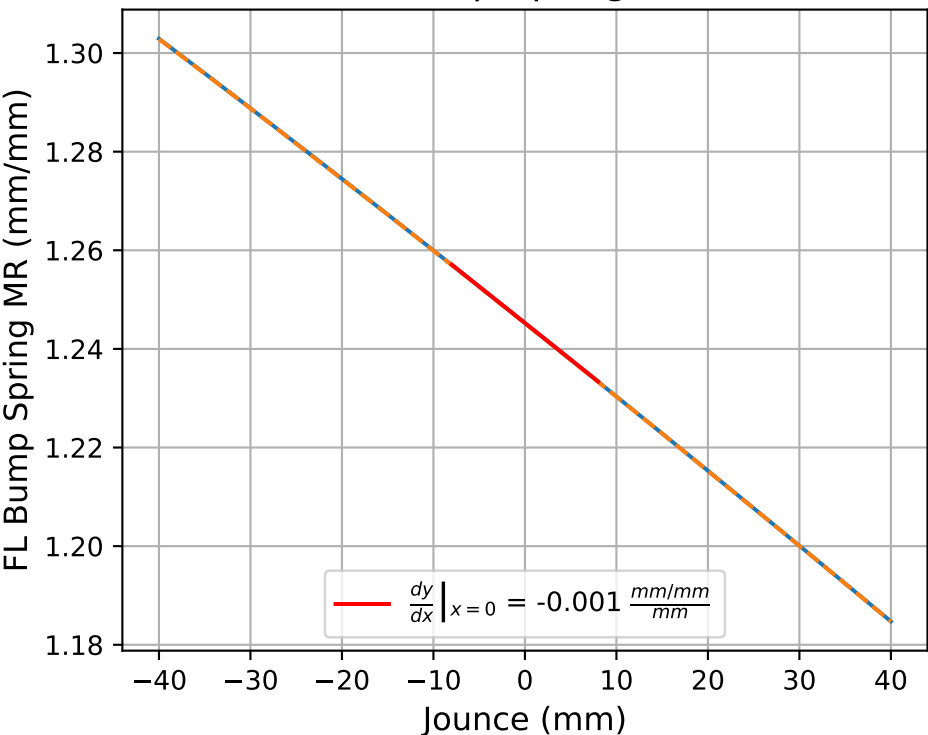
Full Model
FMU

Linear Fit		$f(x) = a_1x + a_0$
Fr		$f(x) = -1.541x + 16.608$
Rr		$f(x) = -1.85x + 22.543$

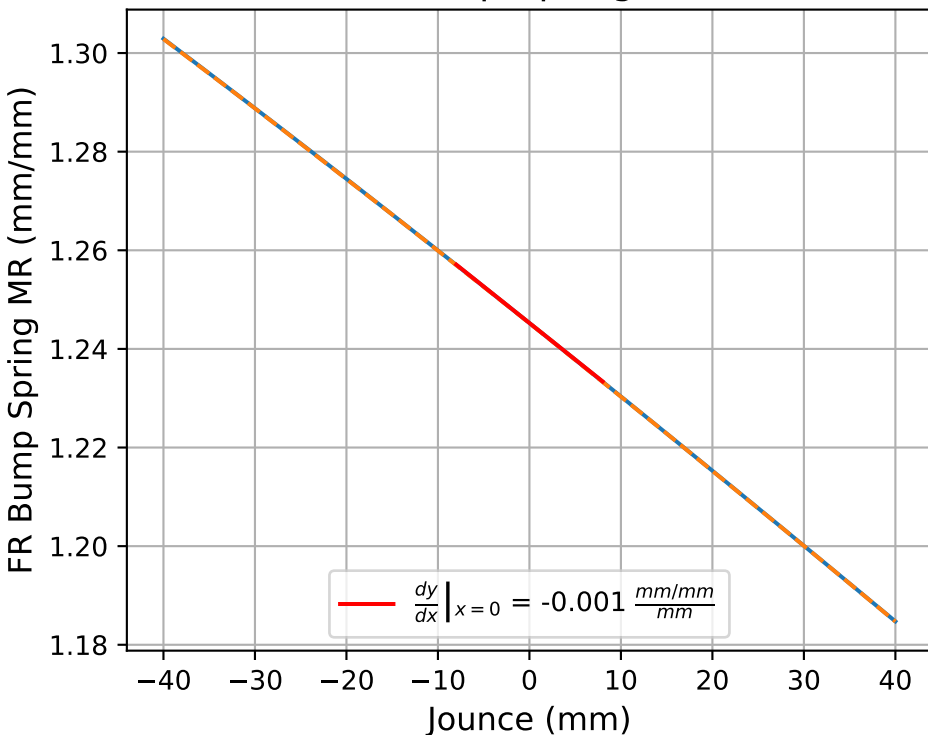
Cubic Fit		$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$
Fr		$f(x) = -0.0x^3 + 0.0x^2 + -1.541x + 16.607$
Rr		$f(x) = -0.0x^3 + 0.0x^2 + -1.85x + 22.541$



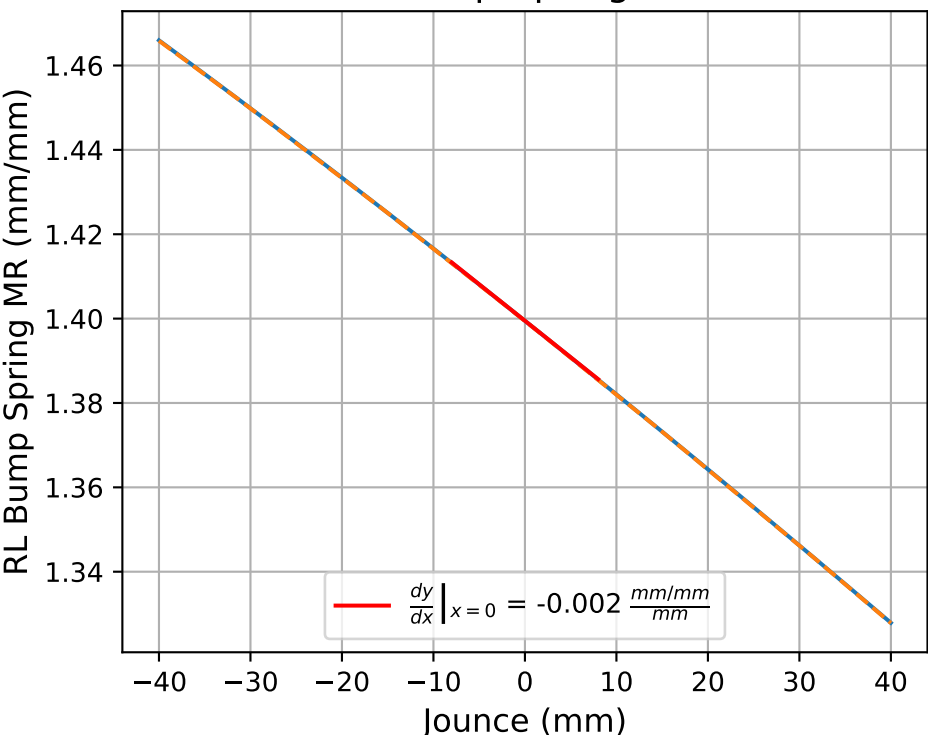
FL Bump Spring MRs



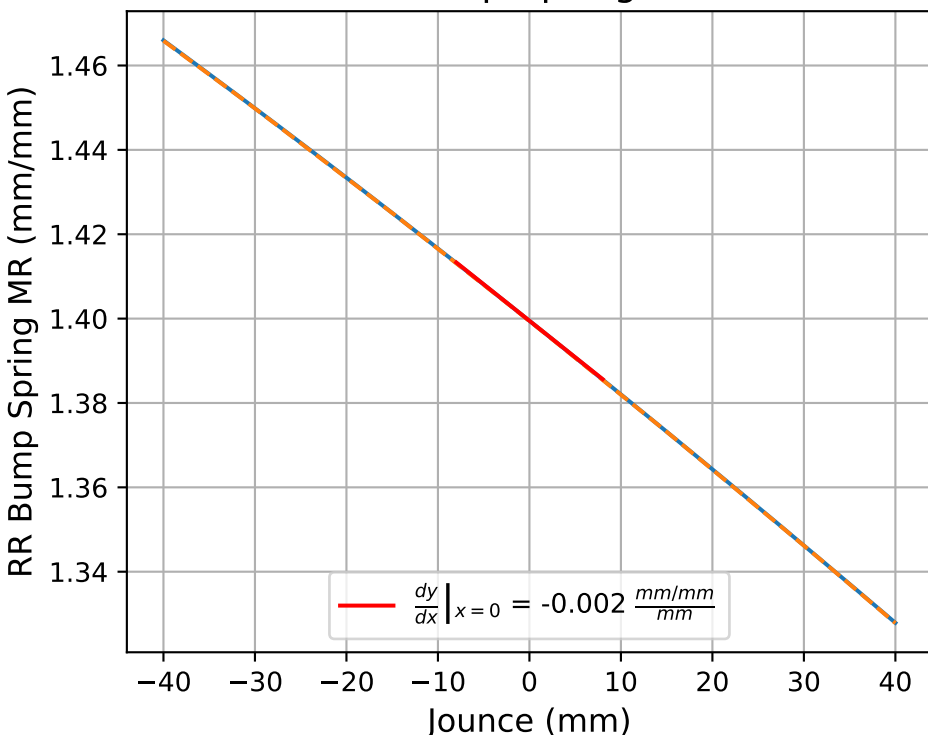
FR Bump Spring MRs



RL Bump Spring MRs



RR Bump Spring MRs



Linear Fit

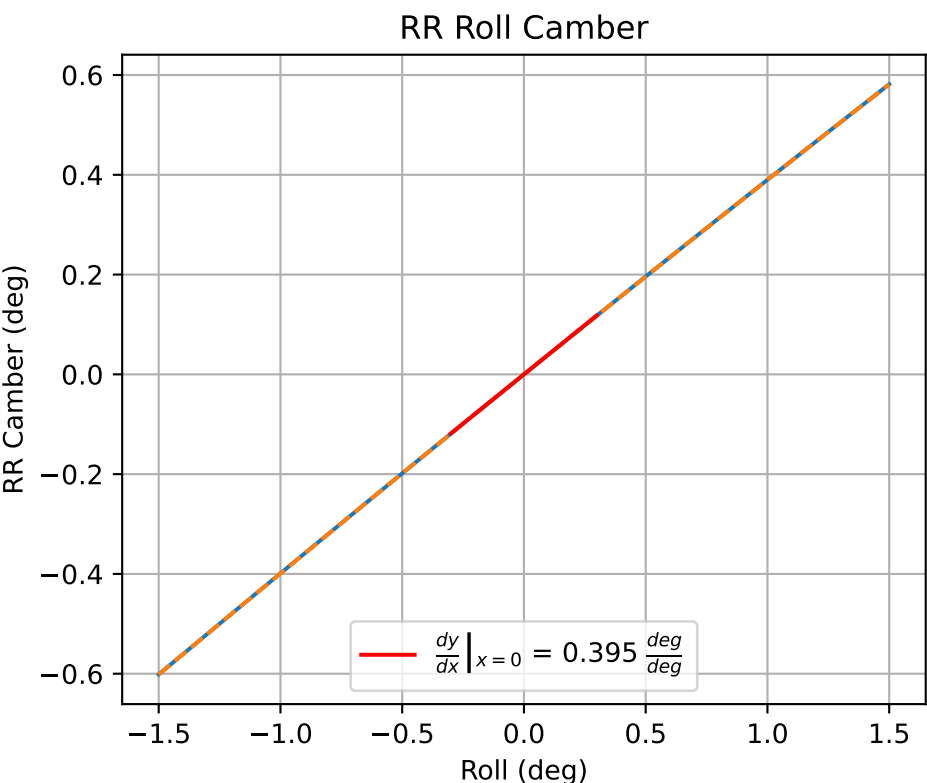
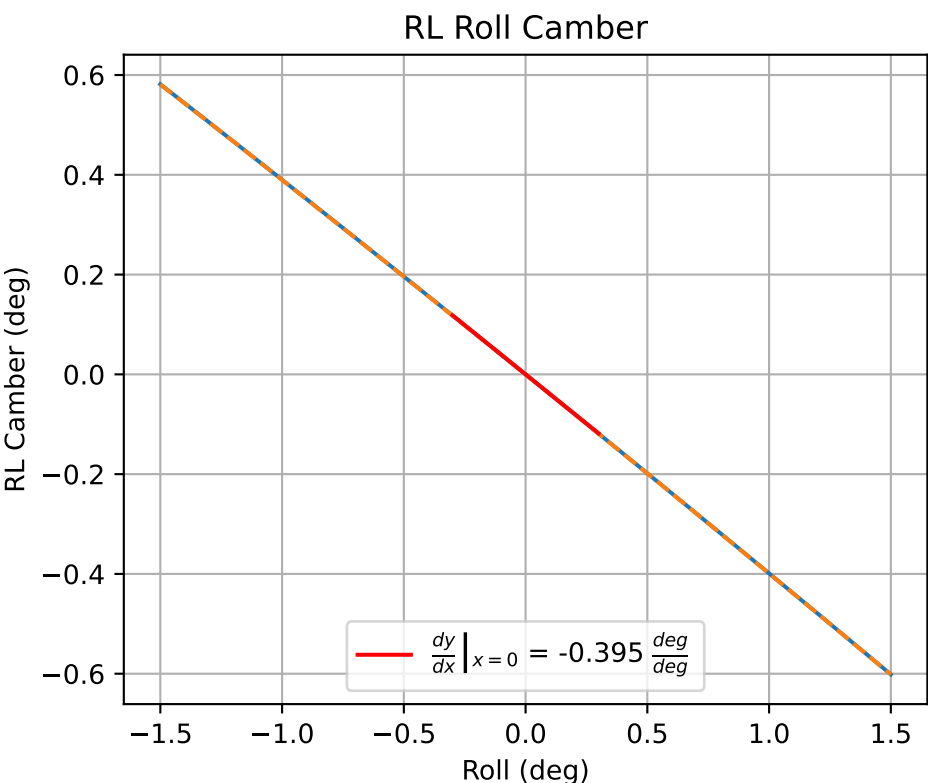
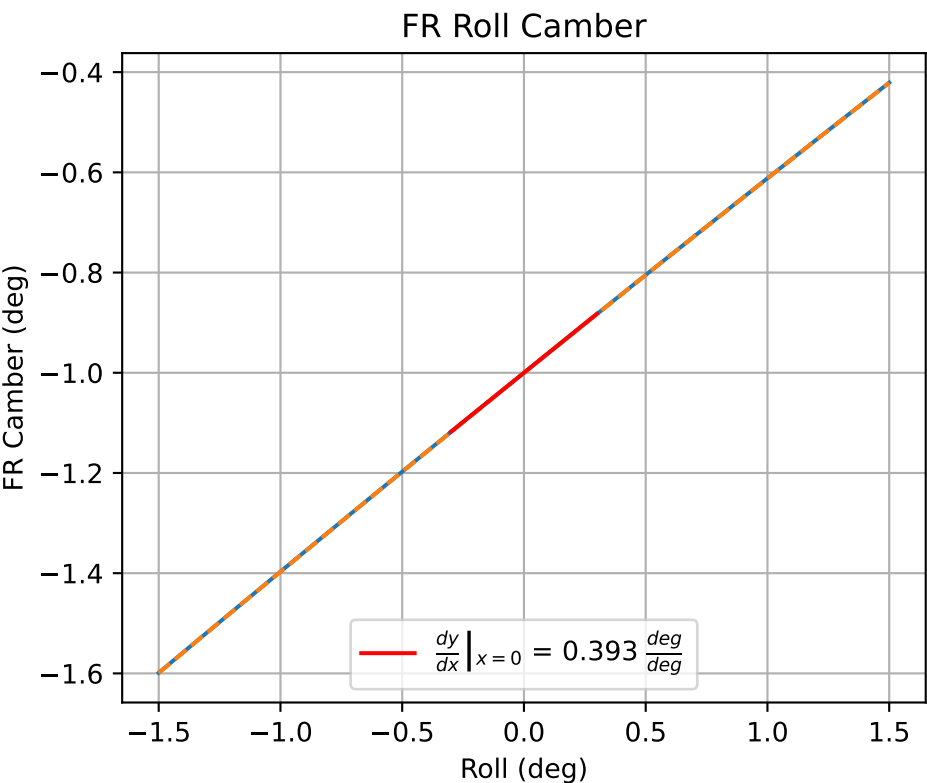
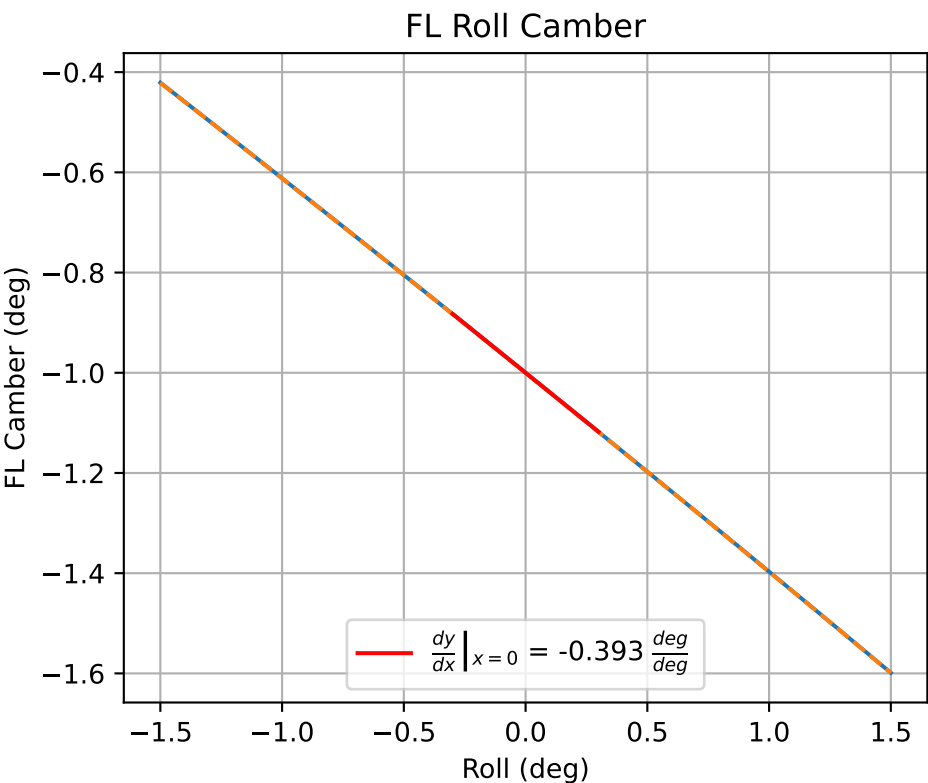
$$f(x) = a_1x + a_0$$

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	$f(x) = 0.0x^3 + -0.0x^2 + -0.002x + 1.399$

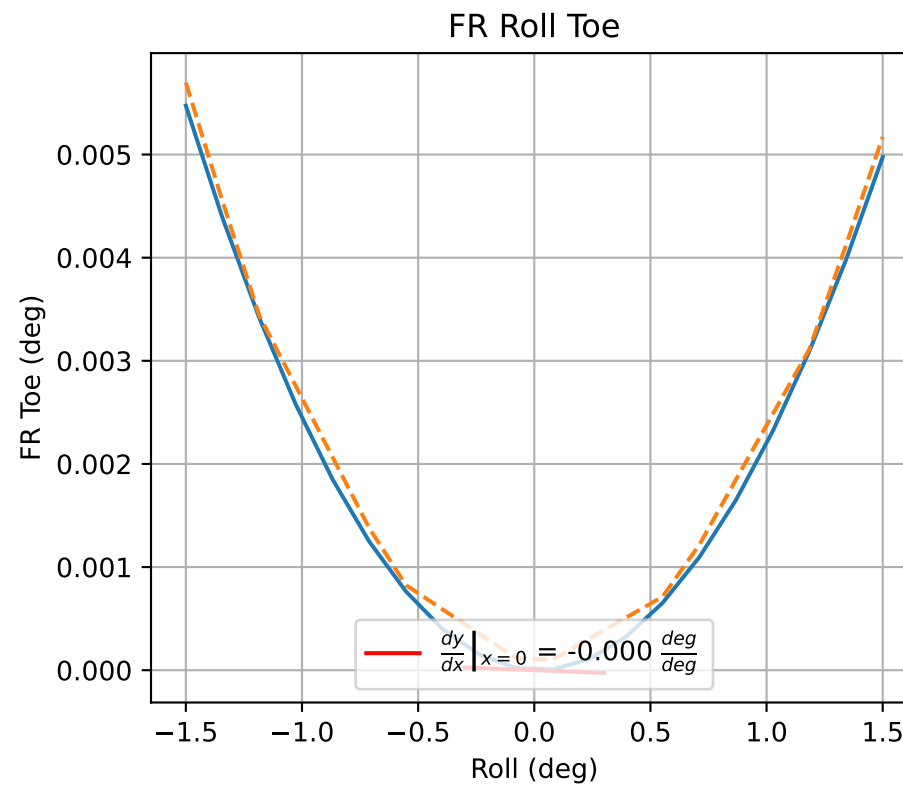
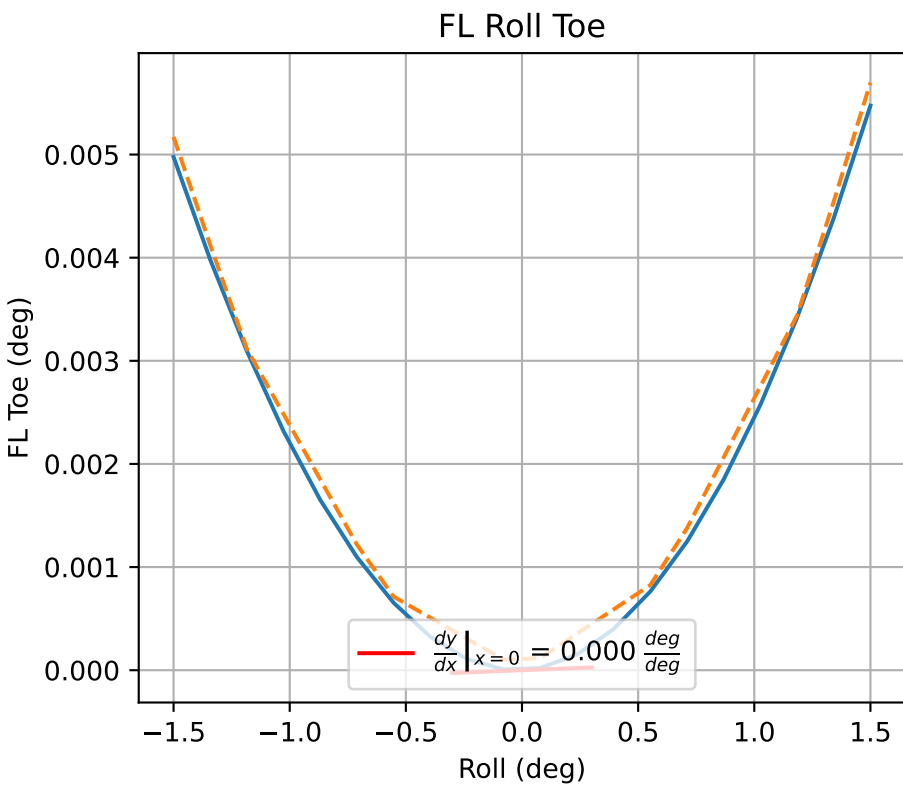


Full Model

FMU

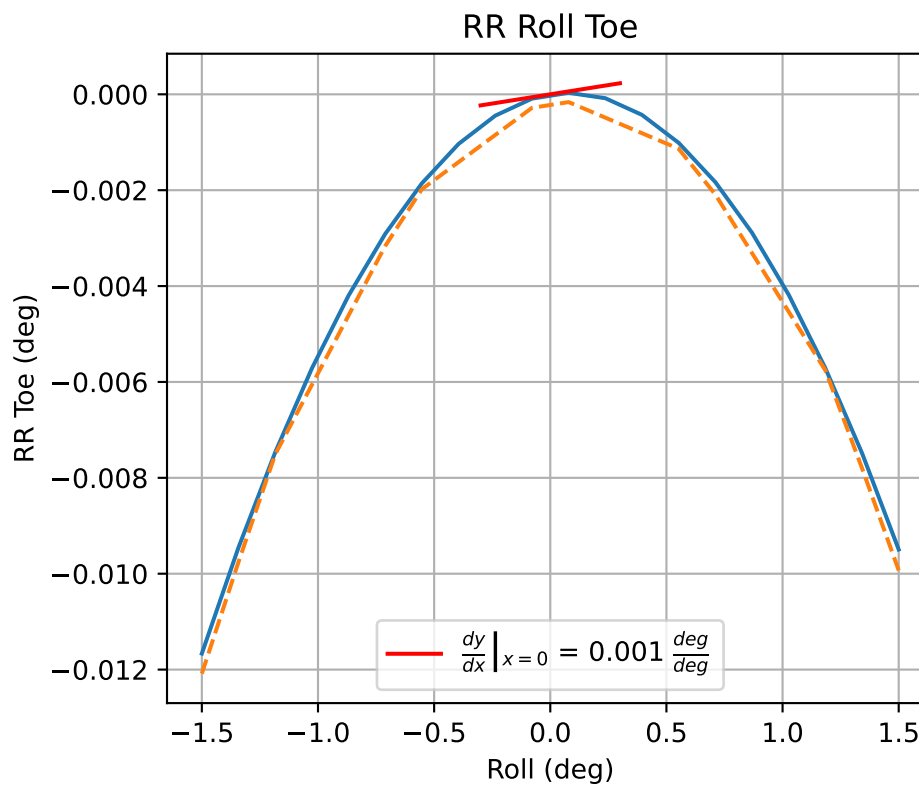
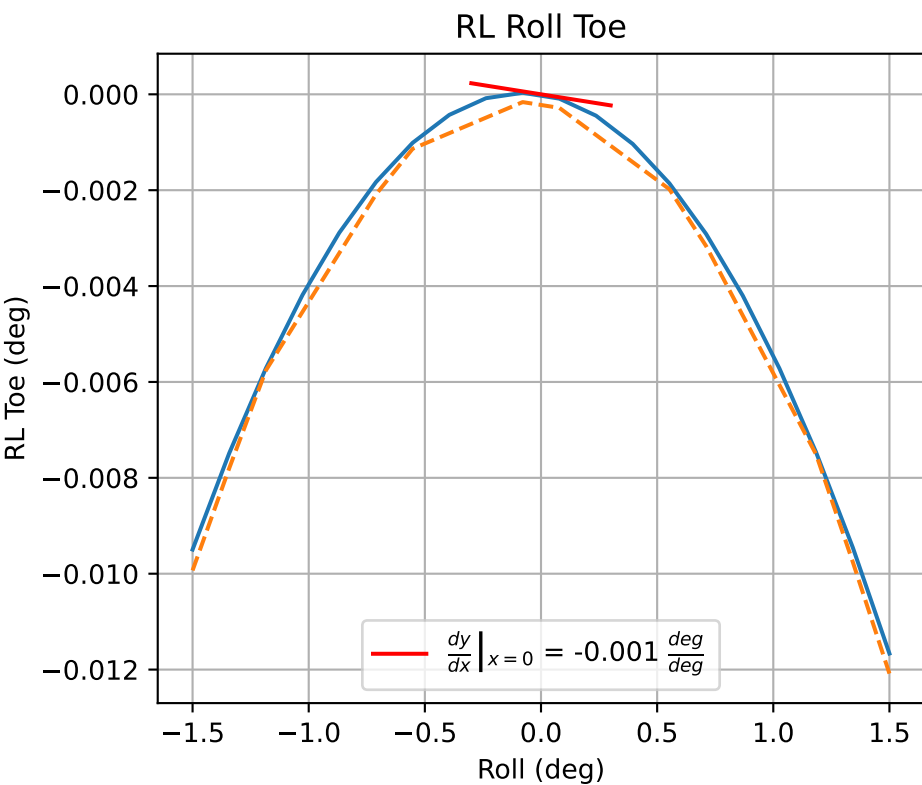
Linear Fit		$f(x) = a_1x + a_0$
FL	$f(x) = -0.393x + -1.0$	
FR	$f(x) = 0.393x + -1.0$	
RL	$f(x) = -0.395x + 0.0$	
RR	$f(x) = 0.395x + 0.0$	

Cubic Fit		$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$
FL	$f(x) = -0.0x^3 + -0.004x^2 + -0.393x + -1.0$	
FR	$f(x) = 0.0x^3 + -0.004x^2 + 0.393x + -1.0$	
RL	$f(x) = 0.0x^3 + -0.004x^2 + -0.395x + 0.0$	
RR	$f(x) = -0.0x^3 + -0.004x^2 + 0.395x + 0.0$	



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

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

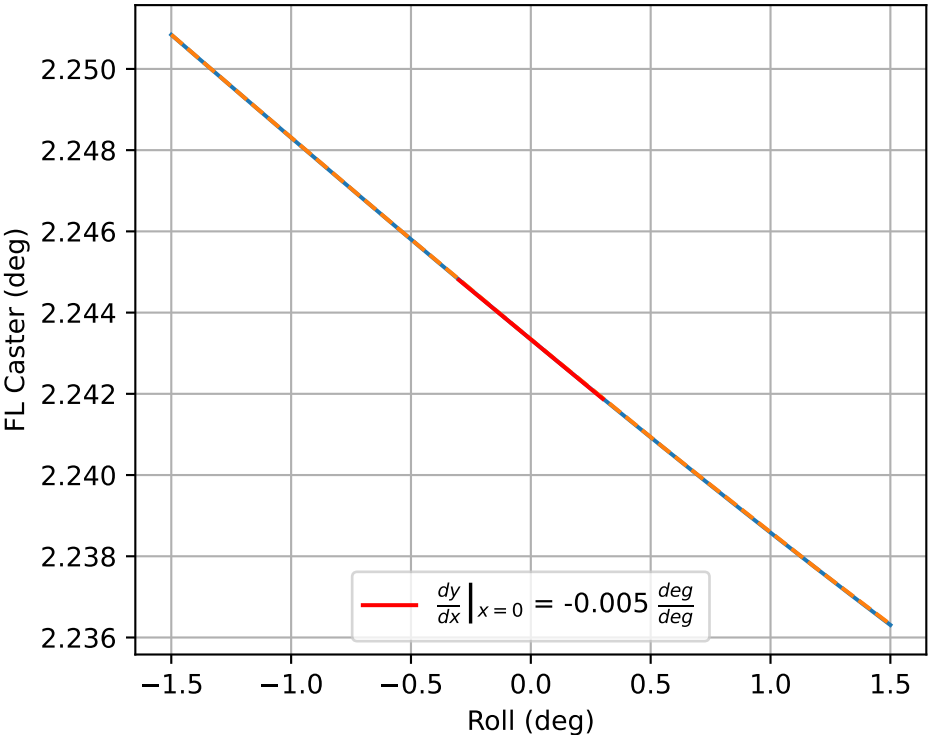


Cubic Fit $f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$

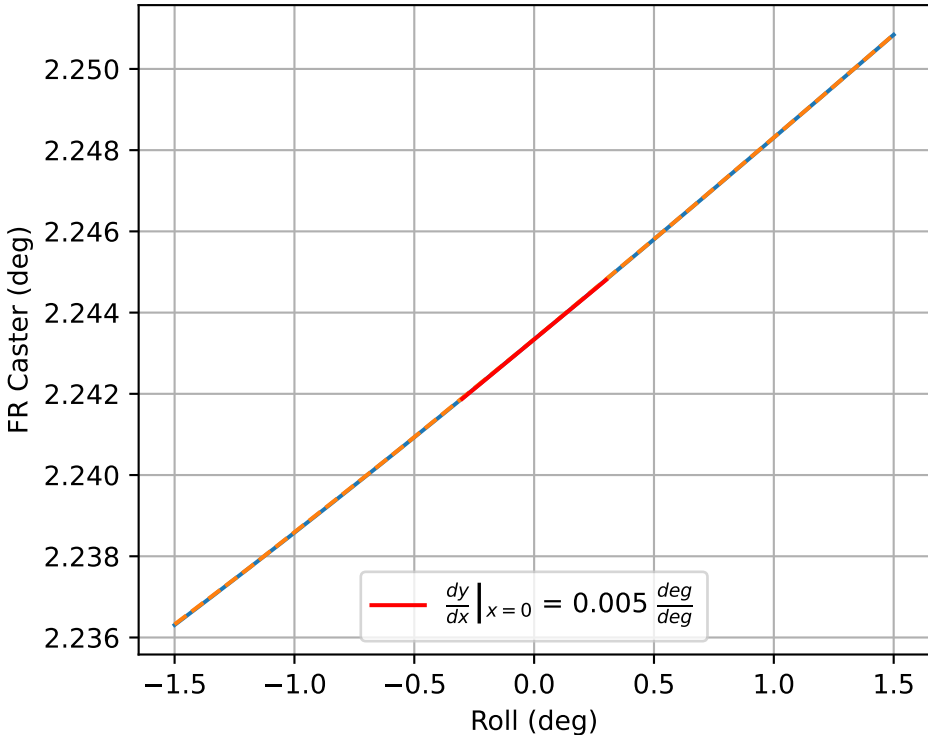
FL	$f(x) = 0.0x^3 + 0.002x^2 + 0.0x + -0.0$
FR	$f(x) = -0.0x^3 + 0.002x^2 + -0.0x + -0.0$
RL	$f(x) = 0.0x^3 + -0.005x^2 + -0.001x + 0.0$
RR	$f(x) = -0.0x^3 + -0.005x^2 + 0.001x + 0.0$



FL Roll Caster



FR Roll Caster

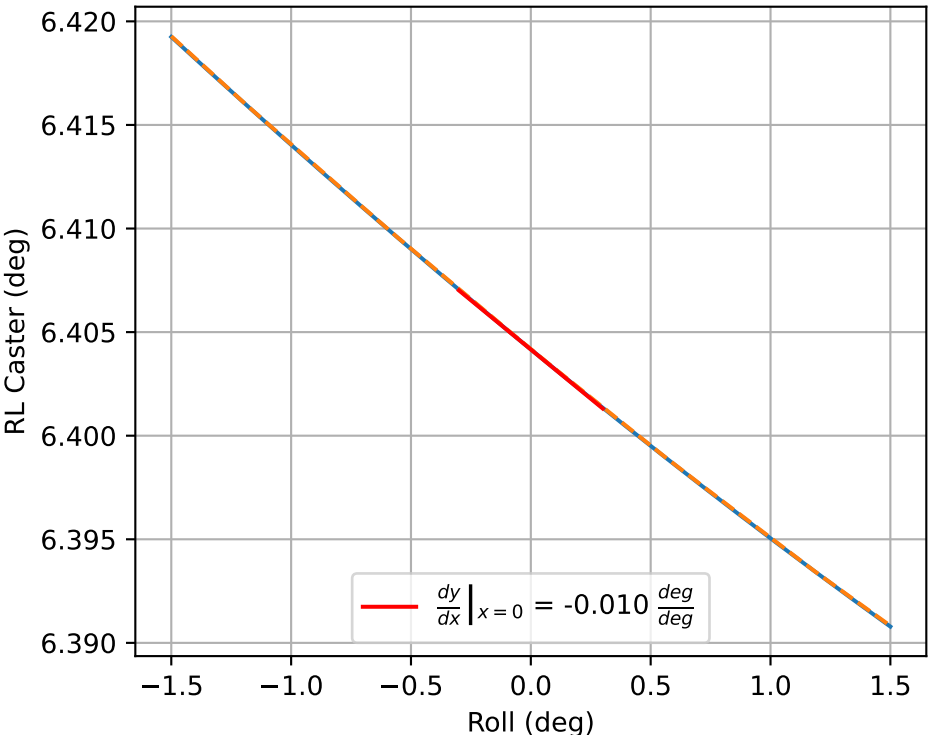


Linear Fit

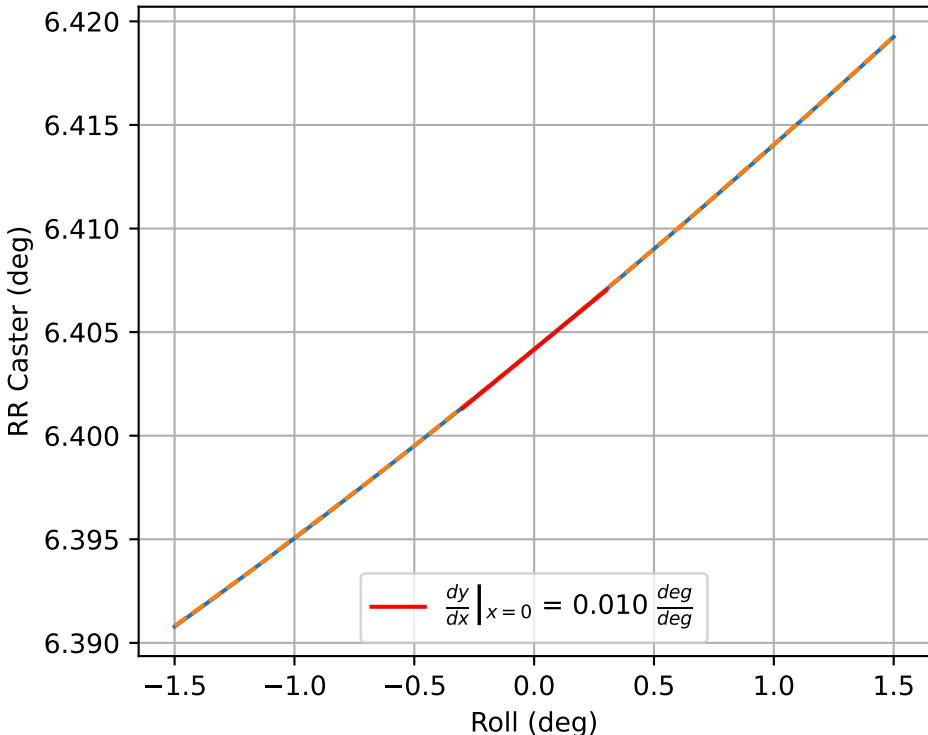
$$f(x) = a_1x + a_0$$

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

RL Roll Caster



RR Roll Caster



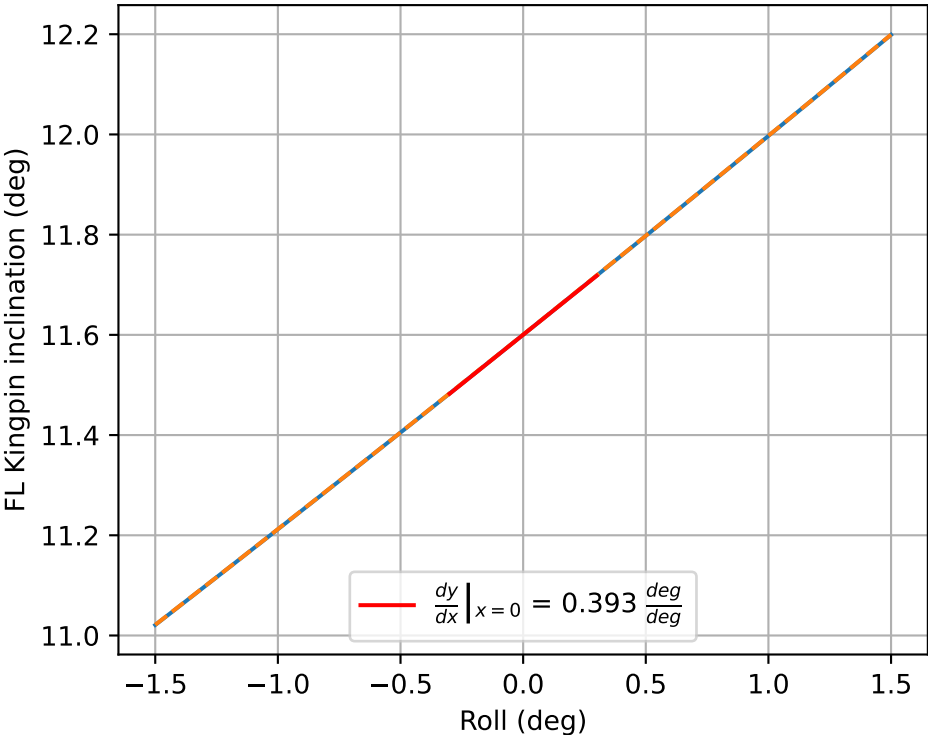
Cubic Fit

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

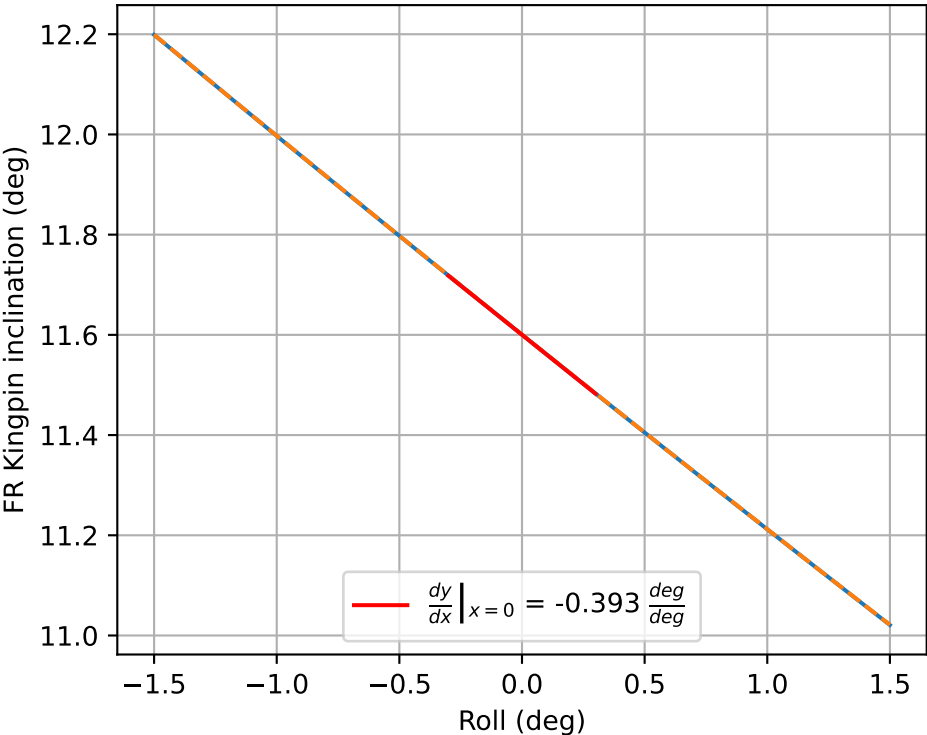
FL	$f(x) = 0.0x^3 + 0.0x^2 + -0.005x + 2.243$
FR	$f(x) = -0.0x^3 + 0.0x^2 + 0.005x + 2.243$
RL	$f(x) = 0.0x^3 + 0.0x^2 + -0.01x + 6.404$
RR	$f(x) = -0.0x^3 + 0.0x^2 + 0.01x + 6.404$



FL Roll KPI



FR Roll KPI

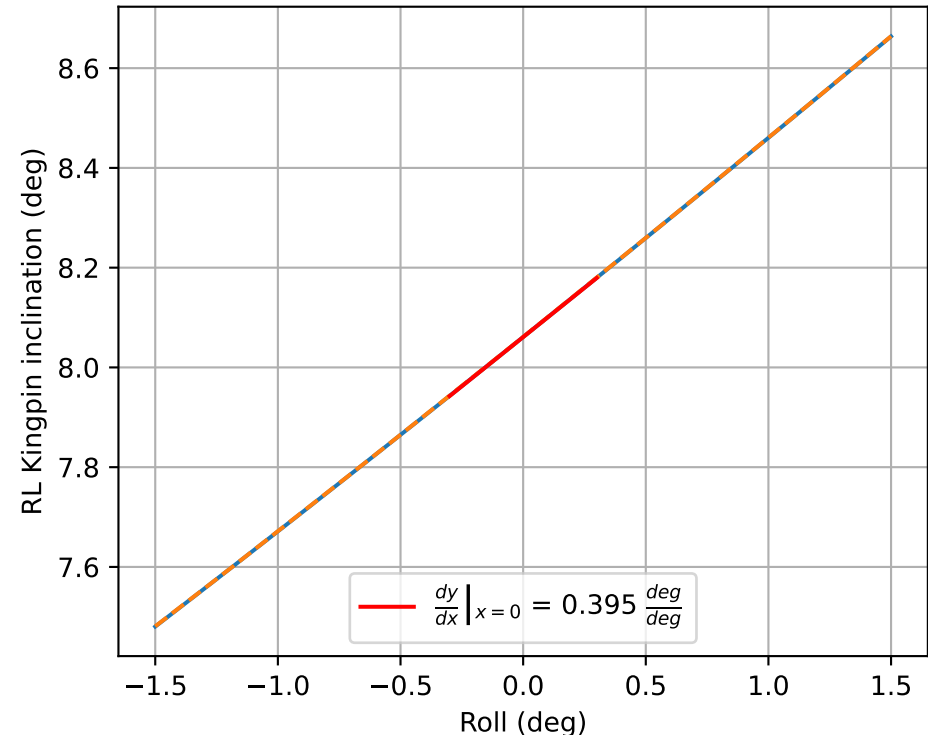


Linear Fit

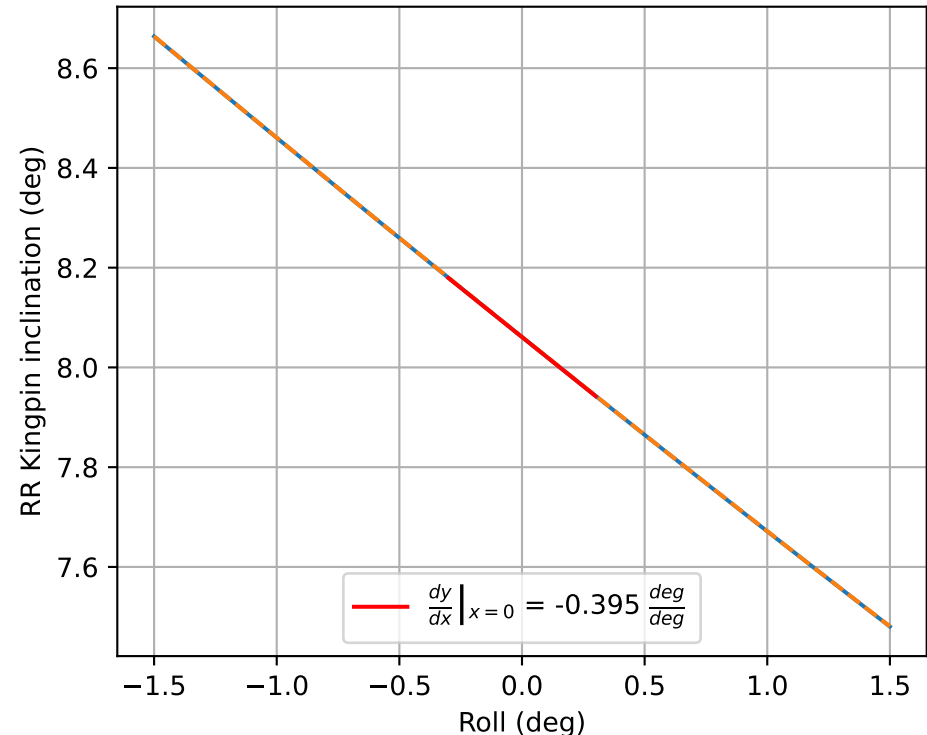
$$f(x) = a_1x + a_0$$

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

RL Roll KPI



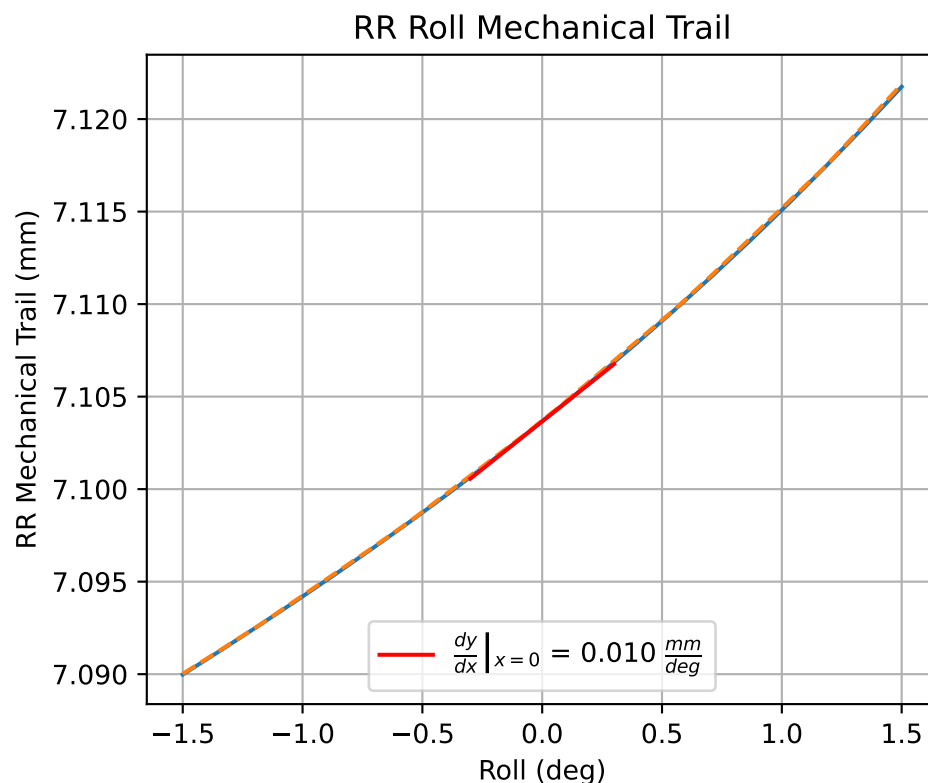
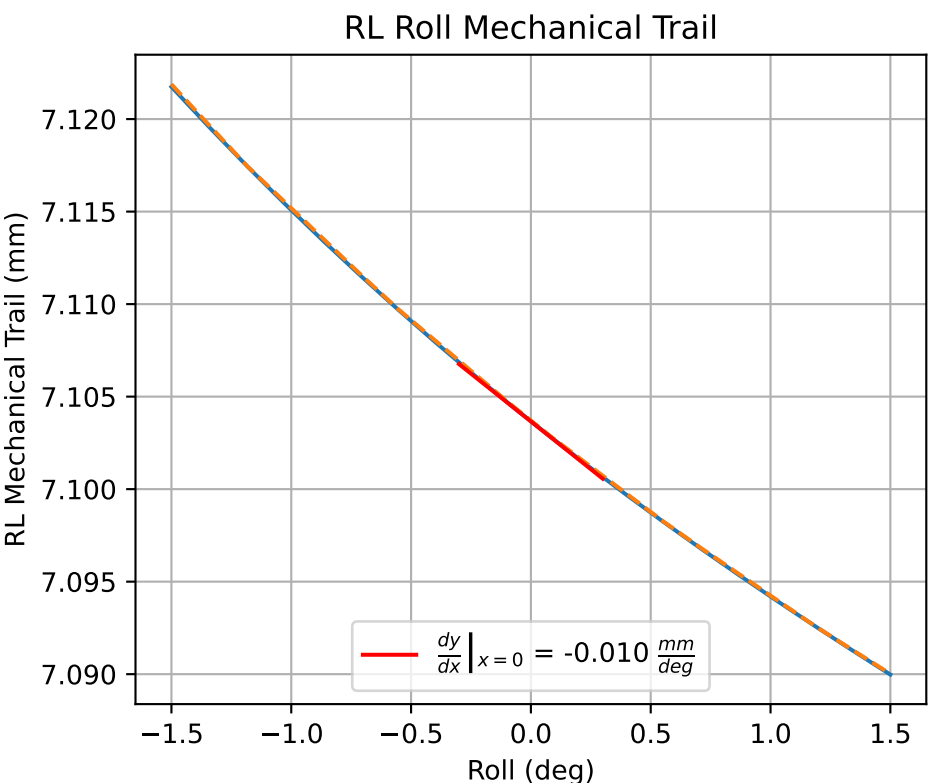
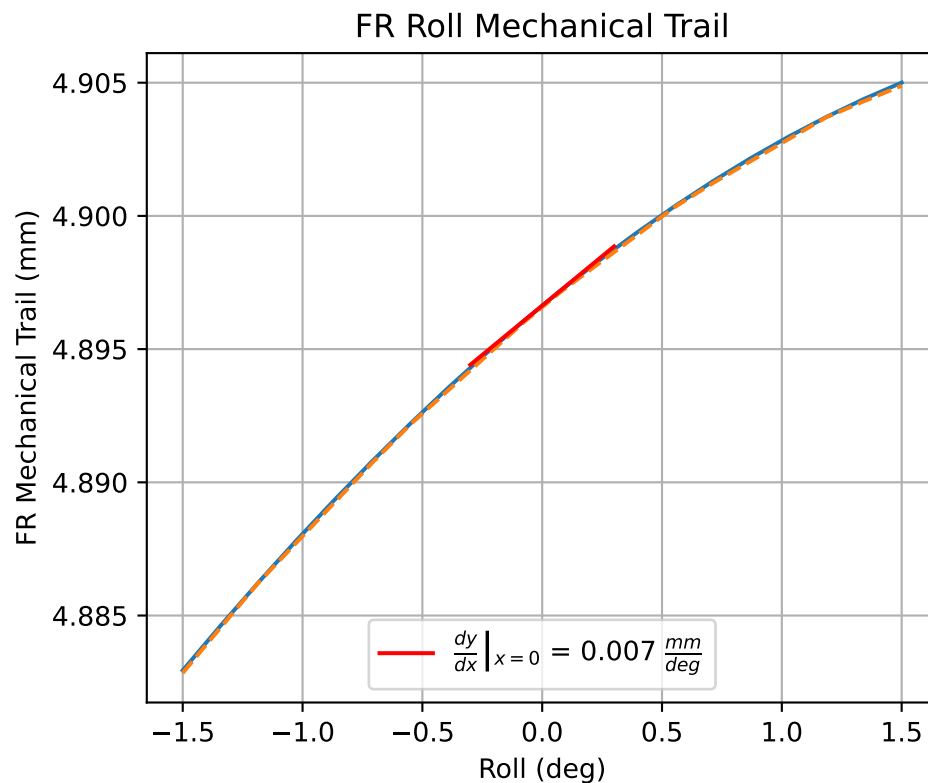
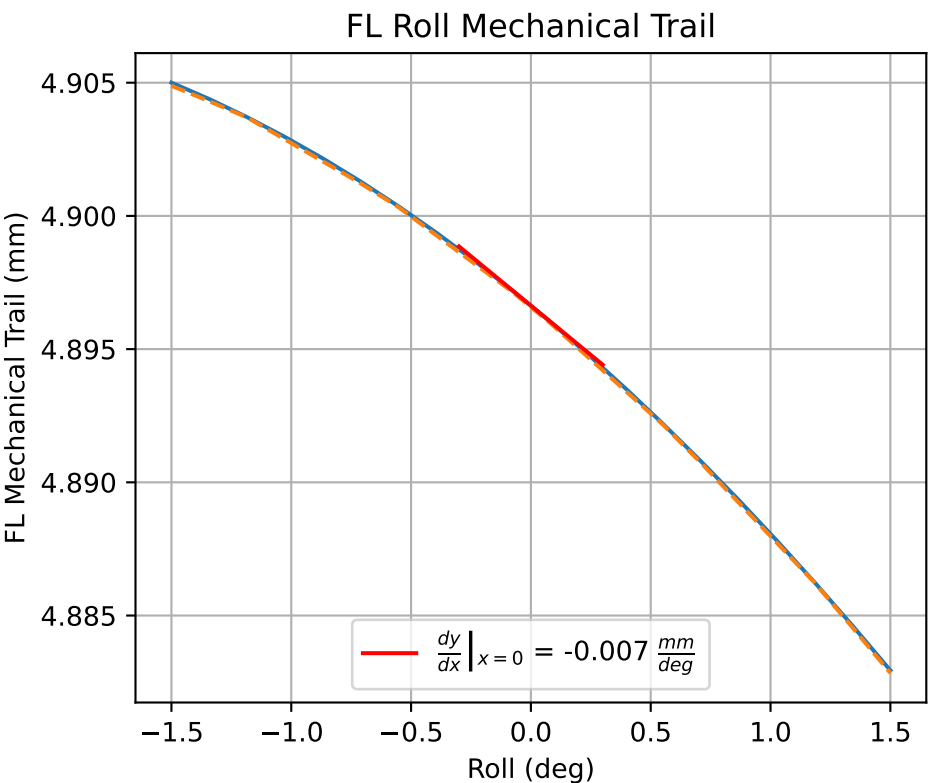
RR Roll KPI



Cubic Fit

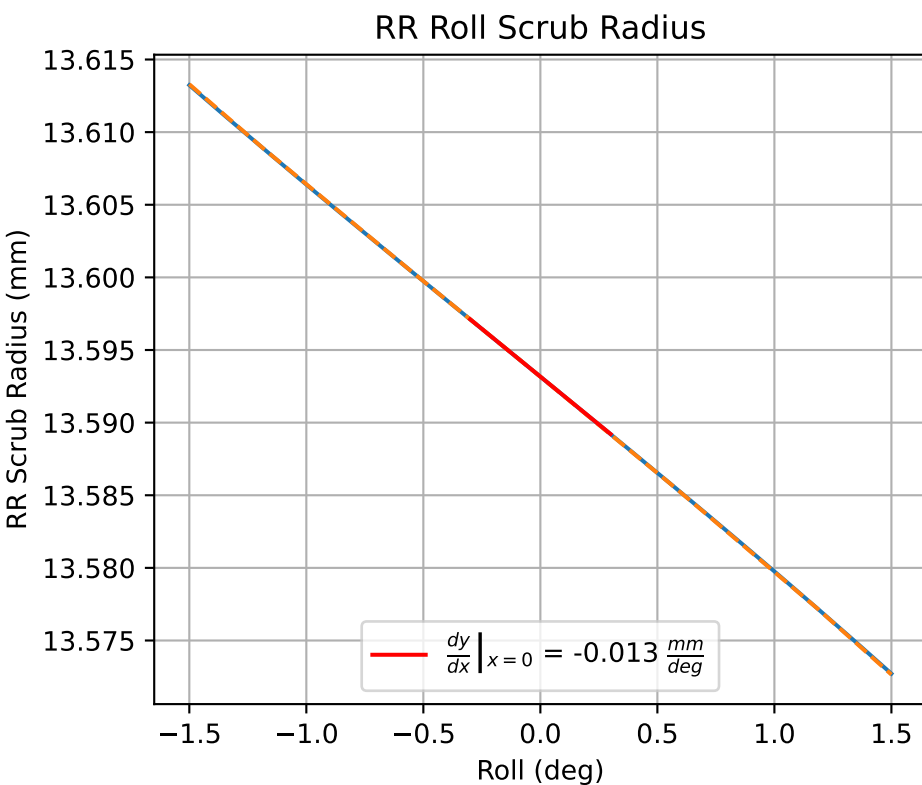
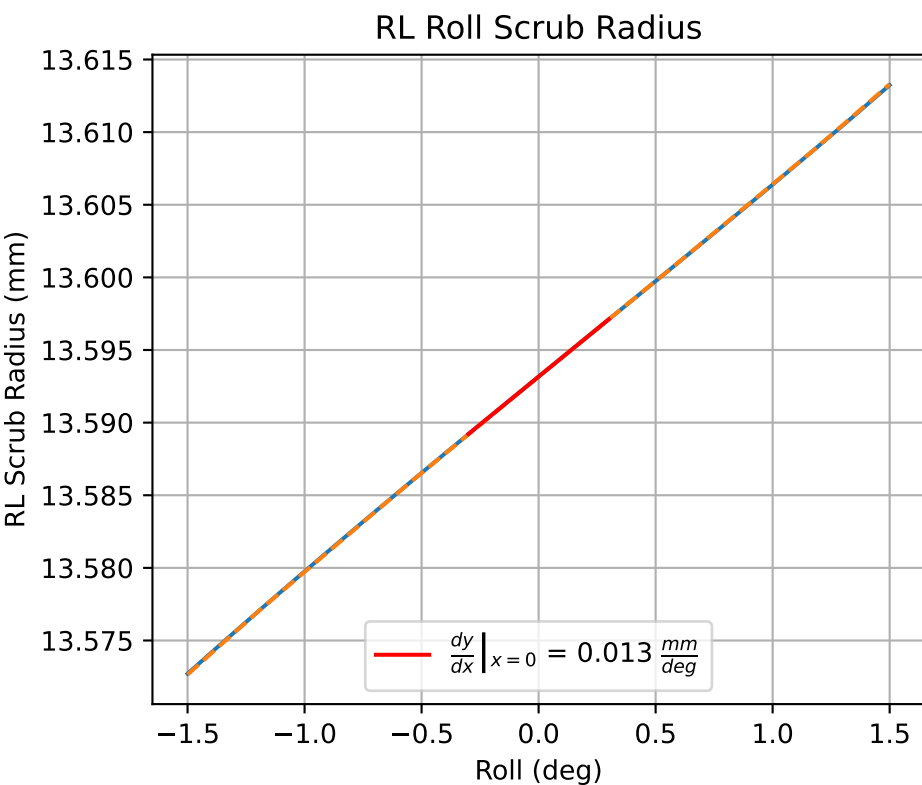
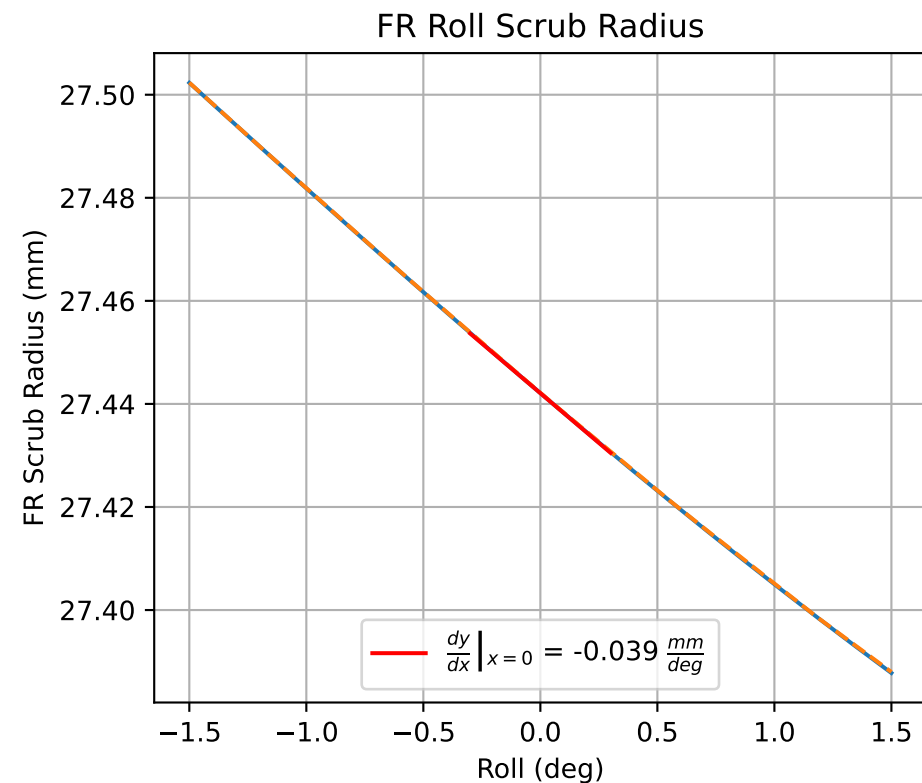
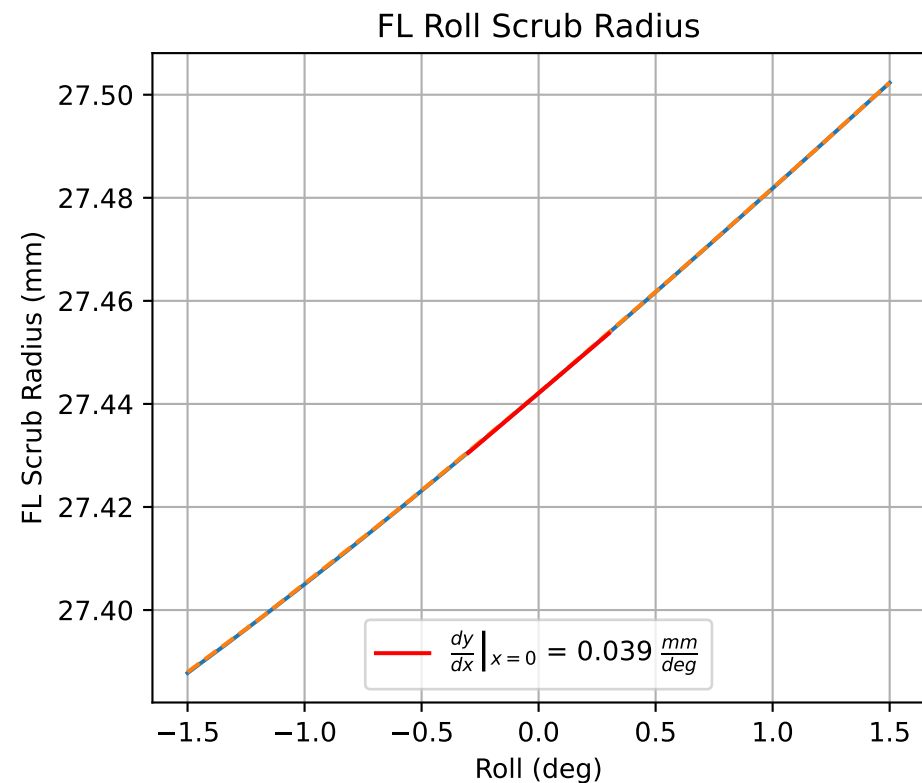
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

FL	$f(x) = 0.0x^3 + 0.004x^2 + 0.393x + 11.6$
FR	$f(x) = -0.0x^3 + 0.004x^2 + -0.393x + 11.6$
RL	$f(x) = -0.0x^3 + 0.005x^2 + 0.395x + 8.061$
RR	$f(x) = 0.0x^3 + 0.005x^2 + -0.395x + 8.061$



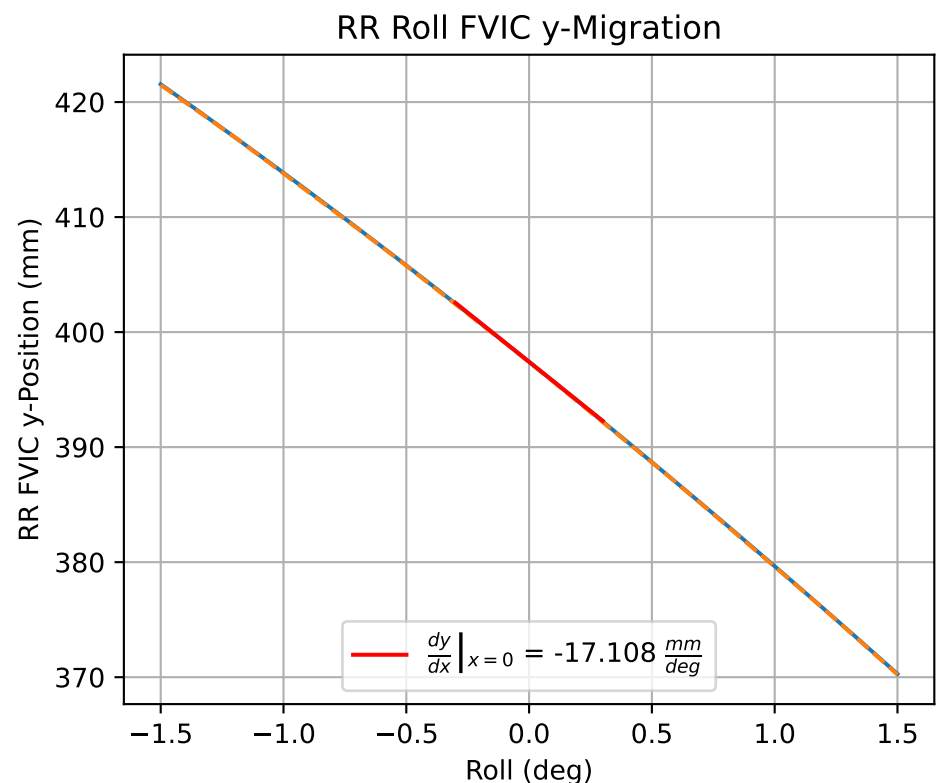
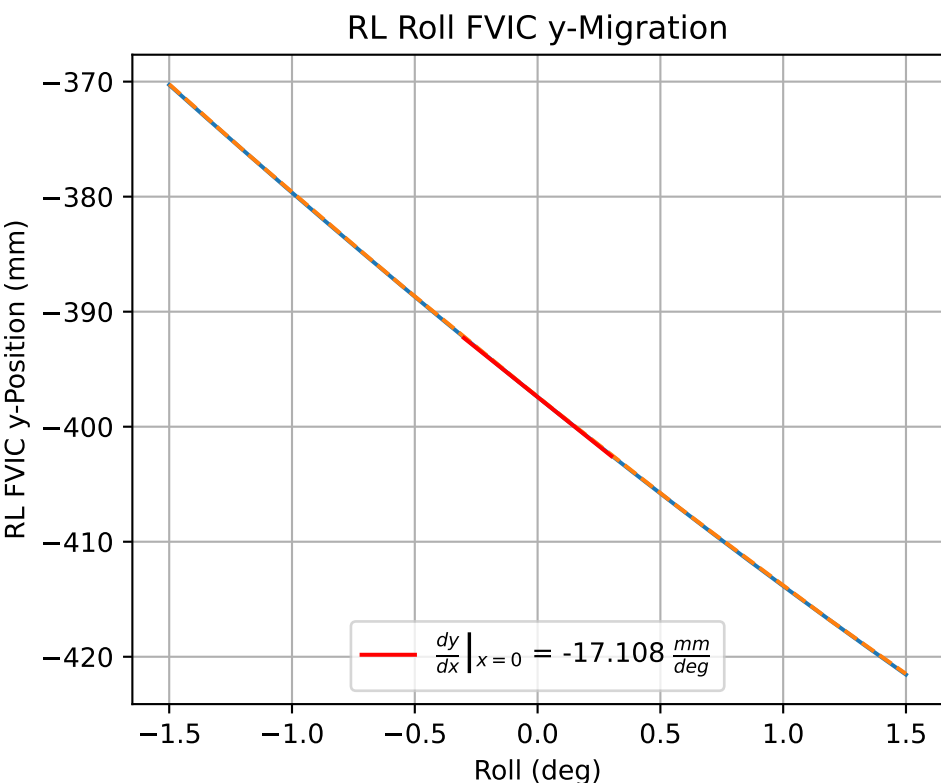
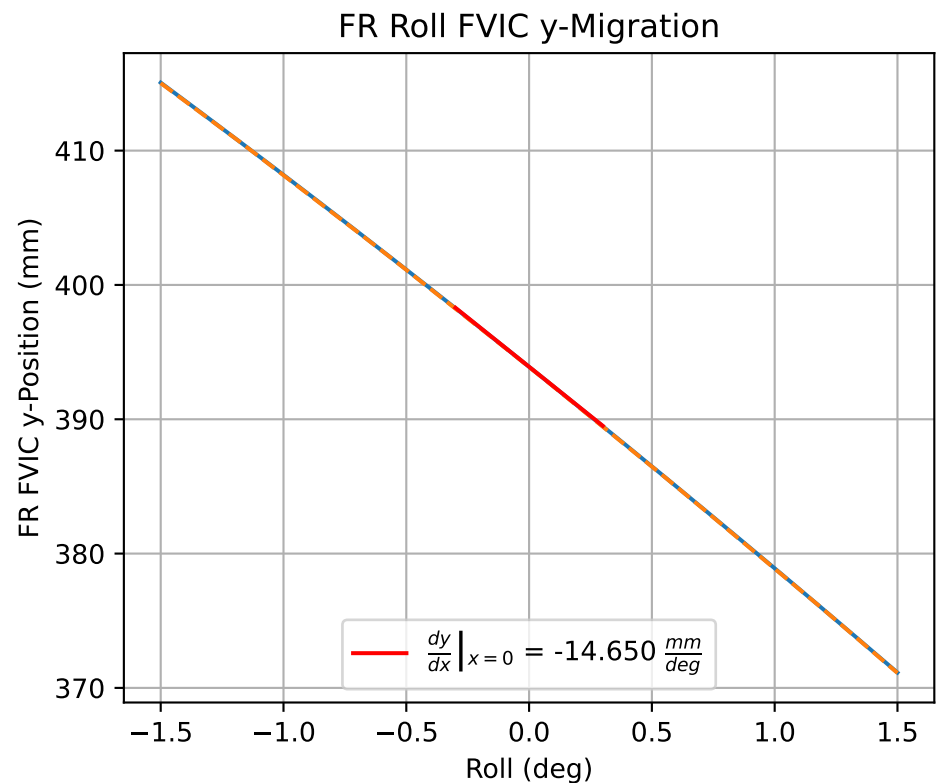
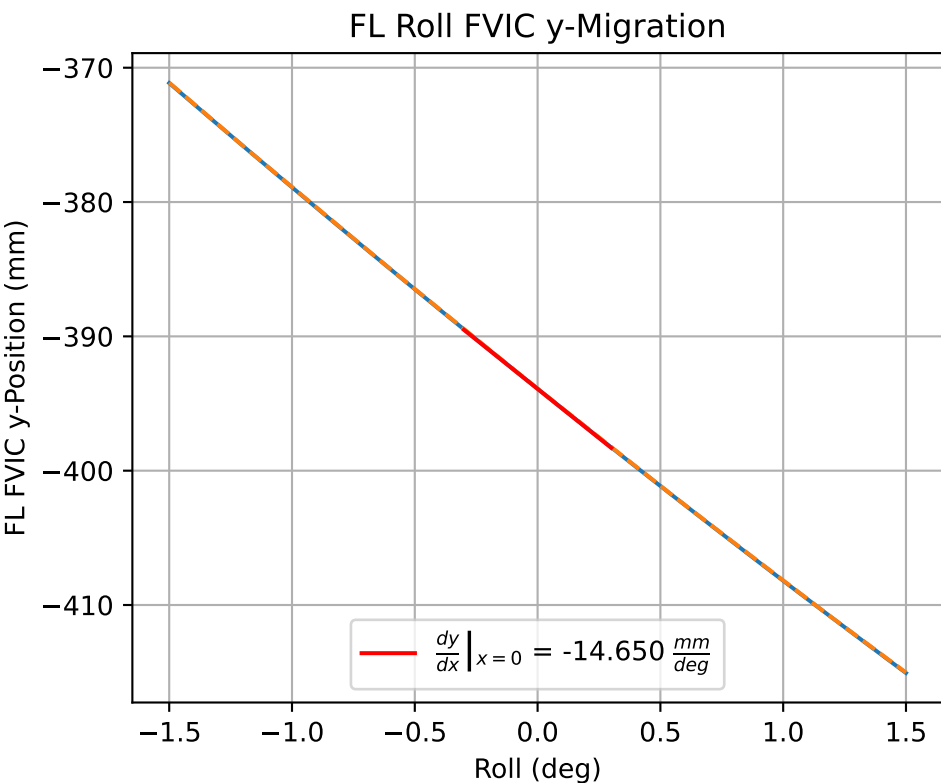
Linear Fit		$f(x) = a_1x + a_0$
FL		$f(x) = -0.007x + 4.897$
FR		$f(x) = 0.007x + 4.897$
RL		$f(x) = -0.01x + 7.104$
RR		$f(x) = 0.01x + 7.104$

Cubic Fit		$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$
FL		$f(x) = 0.0x^3 + -0.001x^2 + -0.007x + 4.897$
FR		$f(x) = -0.0x^3 + -0.001x^2 + 0.007x + 4.897$
RL		$f(x) = -0.0x^3 + 0.001x^2 + -0.01x + 7.104$
RR		$f(x) = 0.0x^3 + 0.001x^2 + 0.01x + 7.104$



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	$f(x) = -0.0x^3 + 0.001x^2 + 0.039x + 27.442$
FR	$f(x) = 0.0x^3 + 0.001x^2 + -0.039x + 27.442$
RL	$f(x) = 0.0x^3 + -0.0x^2 + 0.013x + 13.593$
RR	$f(x) = -0.0x^3 + -0.0x^2 + -0.013x + 13.593$



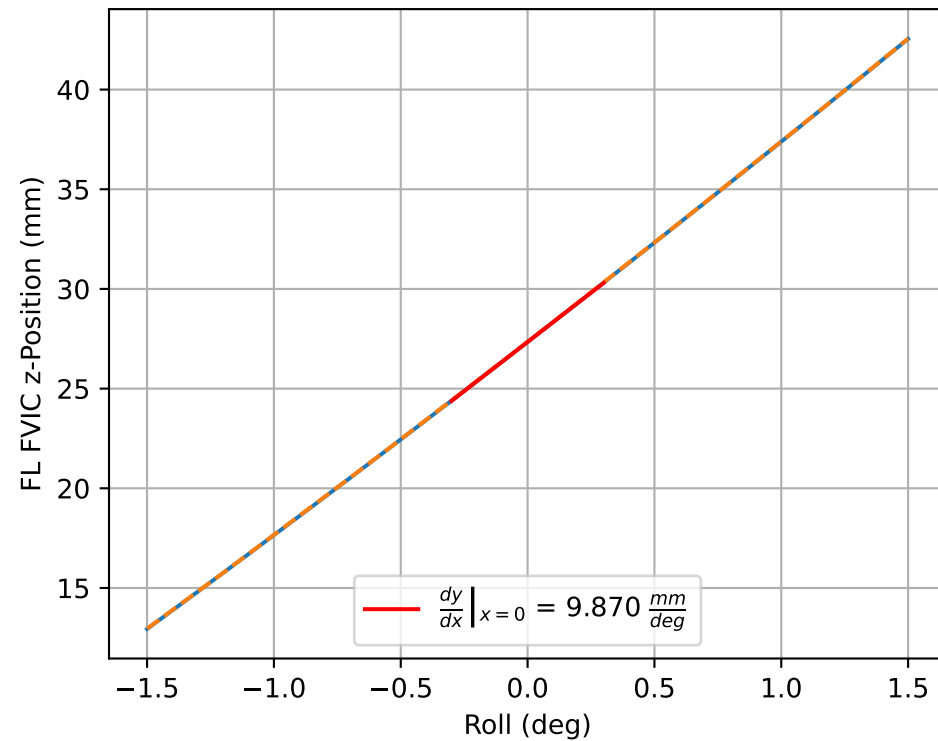
Full Model

FMU

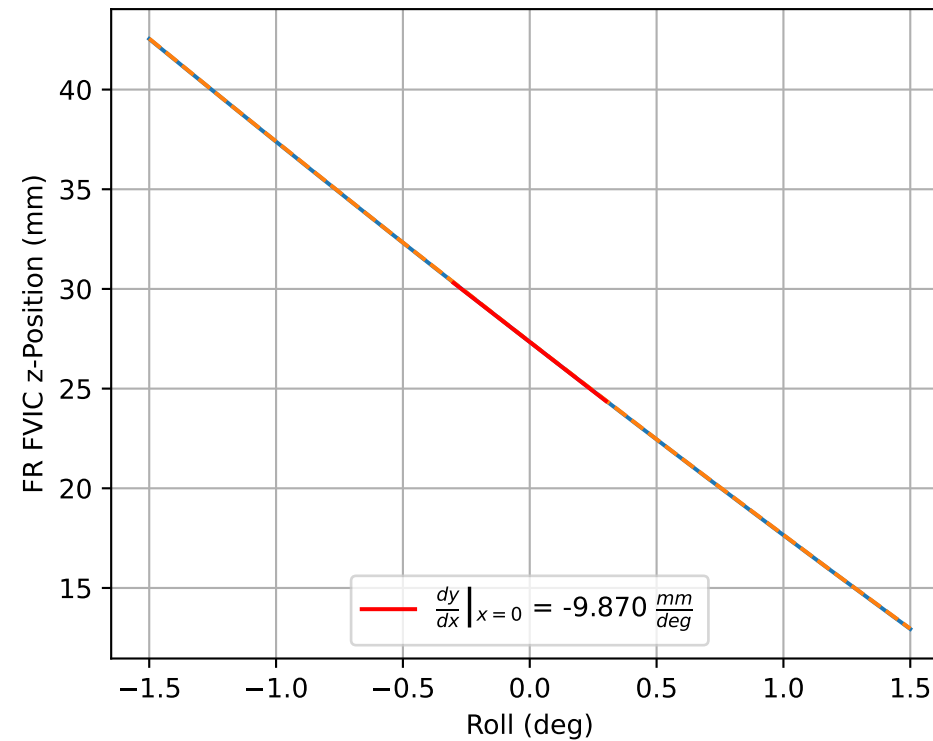
Linear Fit		$f(x) = a_1x + a_0$
FL	$f(x) = -14.65x + -393.907$	
FR	$f(x) = -14.65x + 393.907$	
RL	$f(x) = -17.108x + -397.417$	
RR	$f(x) = -17.108x + 397.417$	

Cubic Fit		$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$
FL	$f(x) = 0.005x^3 + 0.358x^2 + -14.65x + -393.907$	
FR	$f(x) = 0.005x^3 + -0.358x^2 + -14.65x + 393.907$	
RL	$f(x) = 0.009x^3 + 0.667x^2 + -17.108x + -397.417$	
RR	$f(x) = 0.009x^3 + -0.667x^2 + -17.108x + 397.417$	

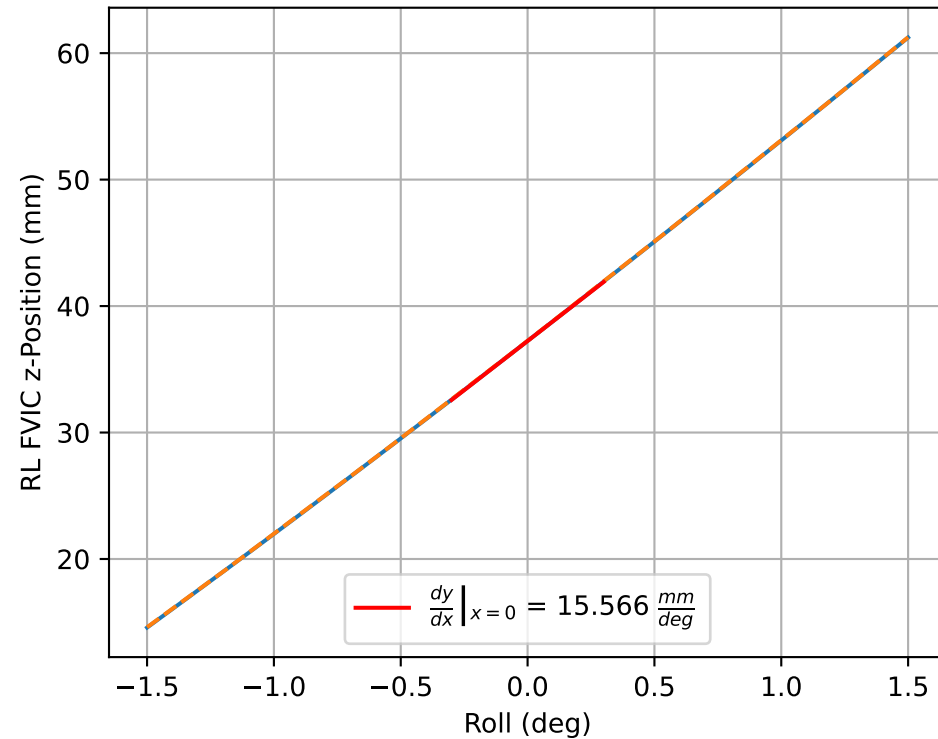
FL Roll FVIC z-Migration



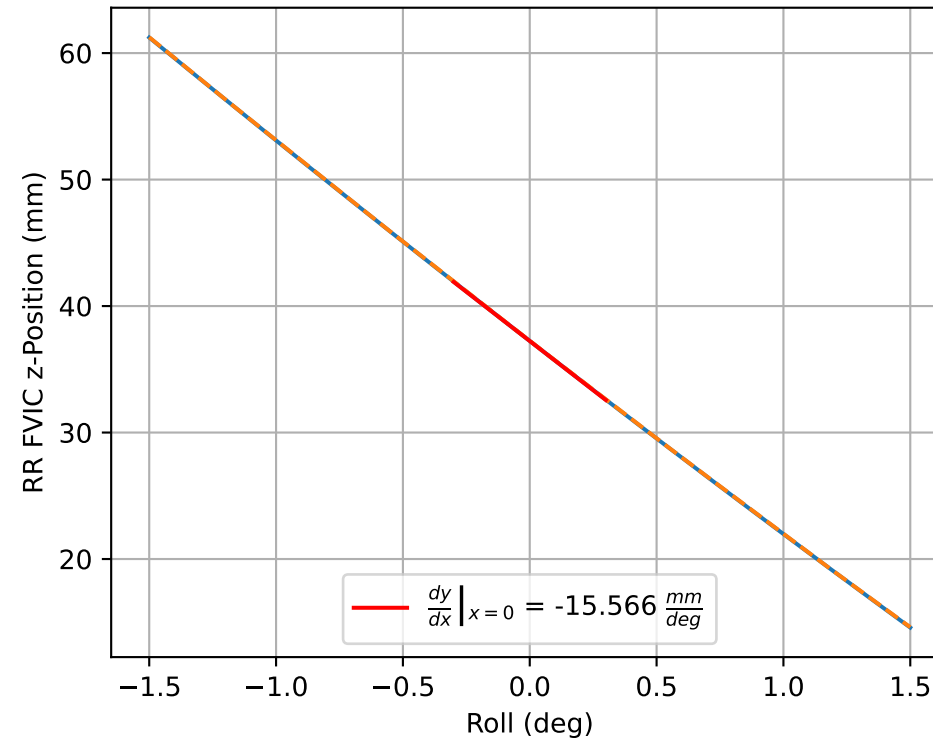
FR Roll FVIC z-Migration



RL Roll FVIC z-Migration



RR Roll FVIC z-Migration



Full Model
FMU

Linear Fit

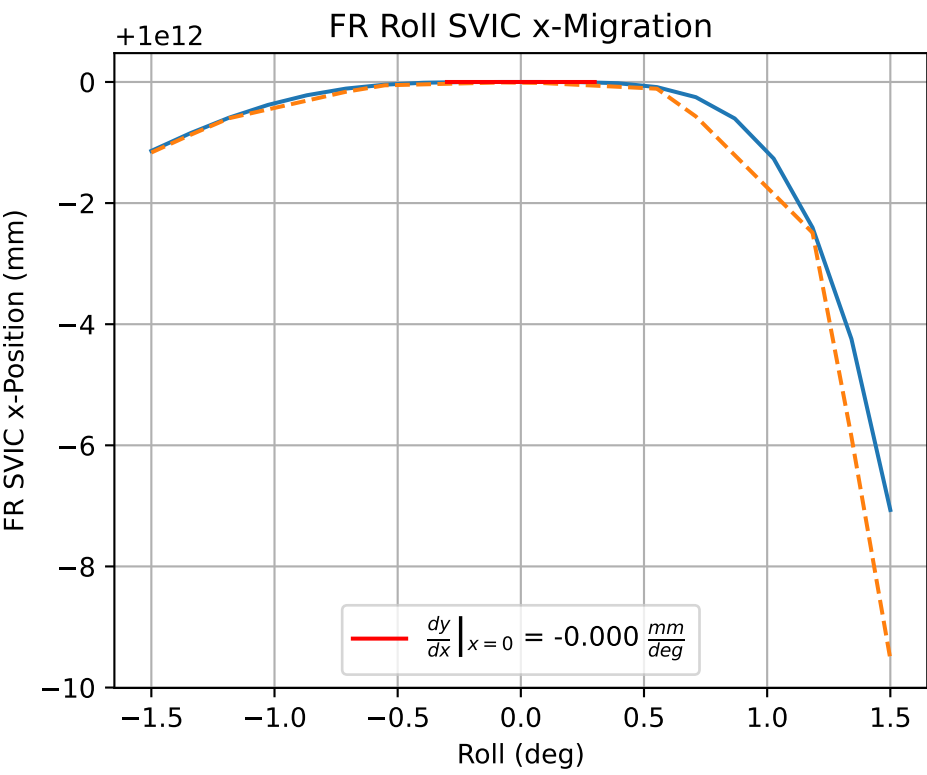
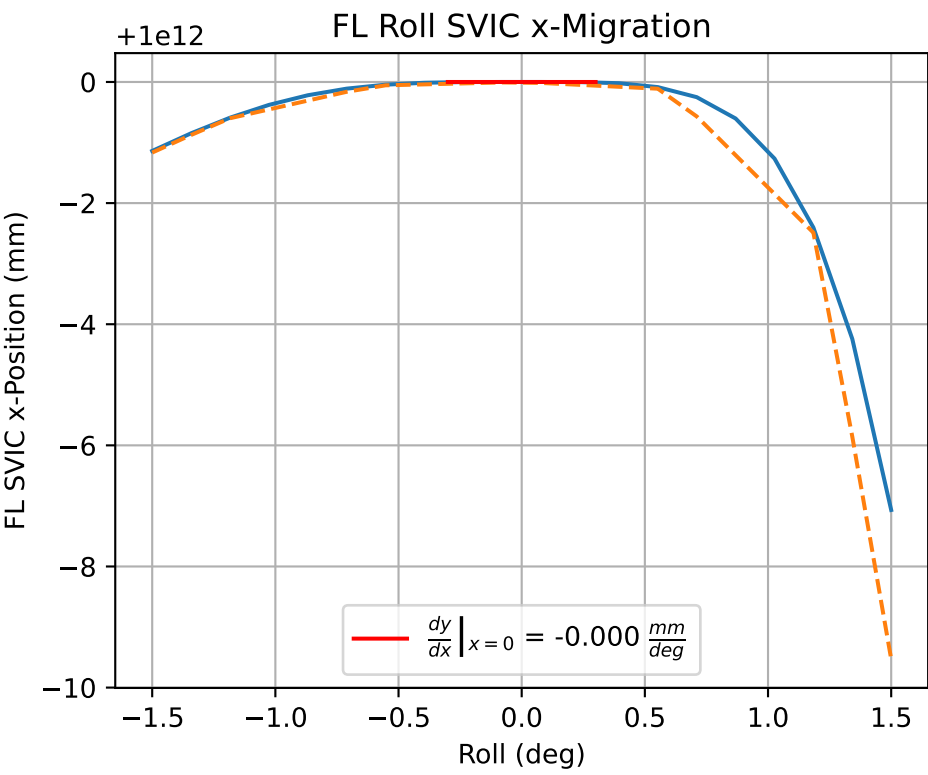
$$f(x) = a_1x + a_0$$

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

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

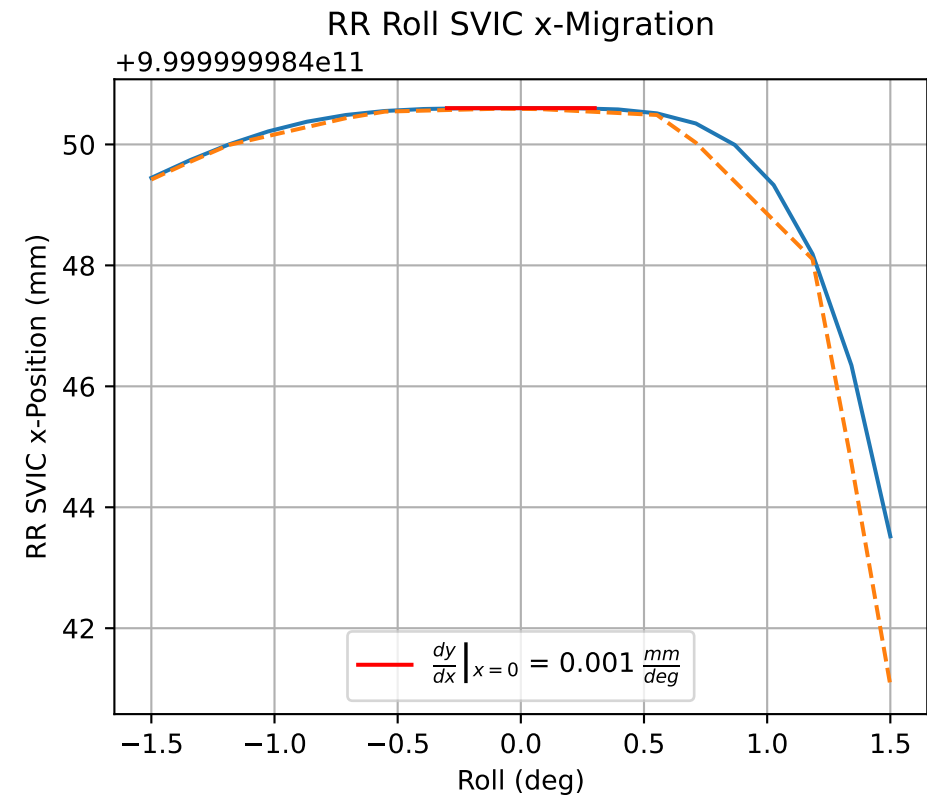
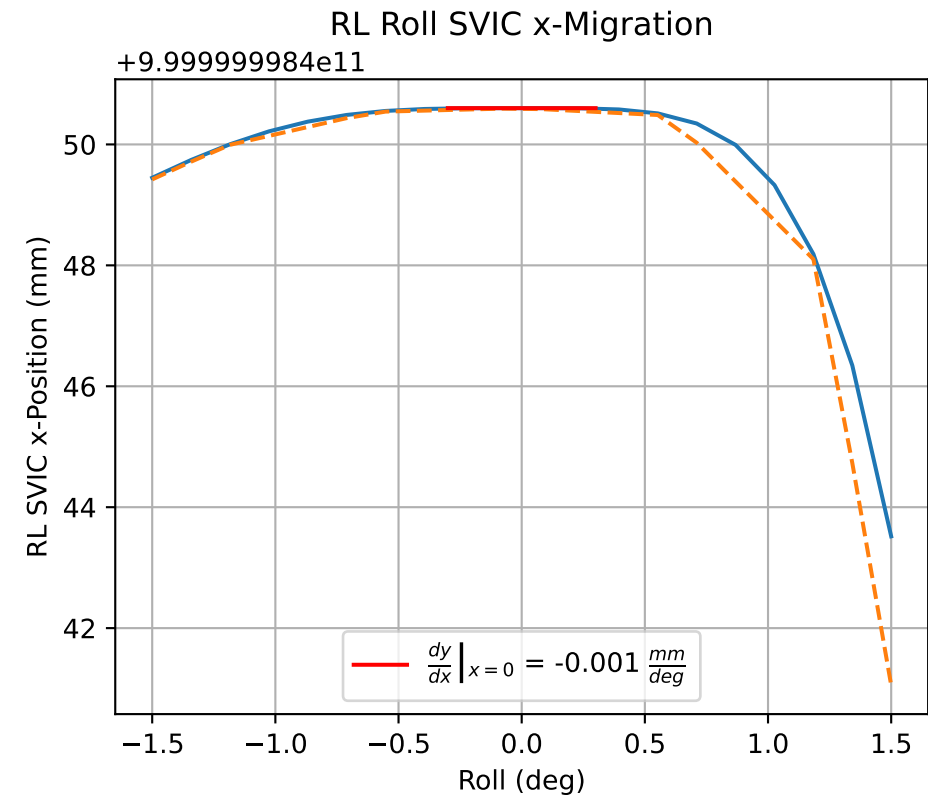
FL	$f(x) = -0.002x^3 + 0.178x^2 + 9.87x + 27.34$
FR	$f(x) = 0.002x^3 + 0.178x^2 - 9.87x + 27.34$
RL	$f(x) = -0.006x^3 + 0.296x^2 + 15.566x + 37.239$
RR	$f(x) = 0.007x^3 + 0.296x^2 - 15.566x + 37.239$



Linear Fit

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

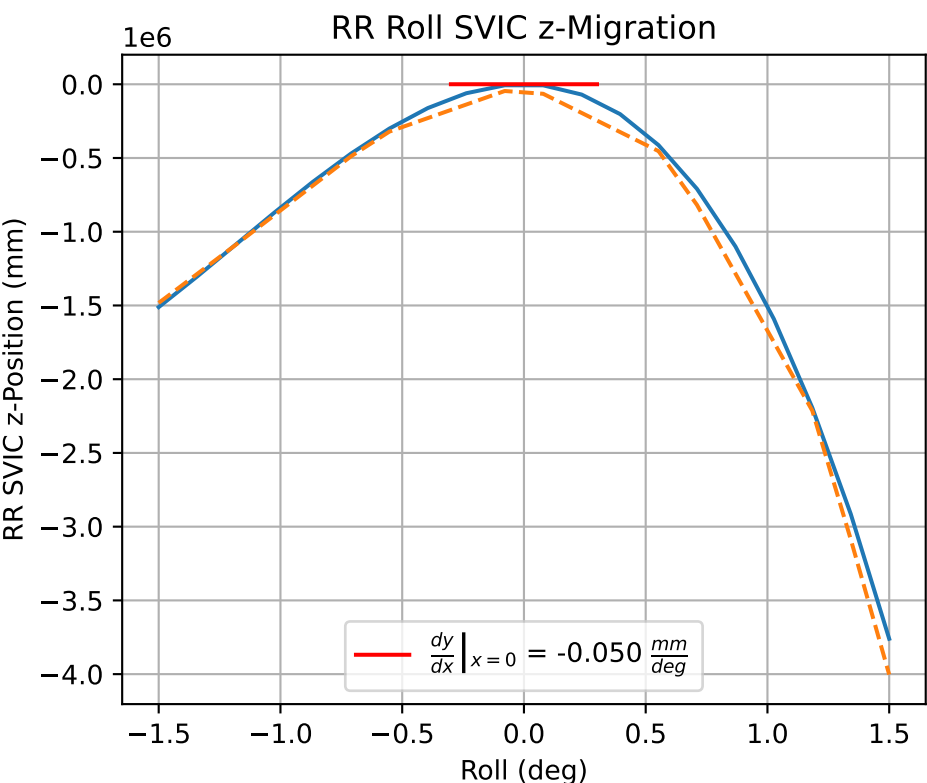
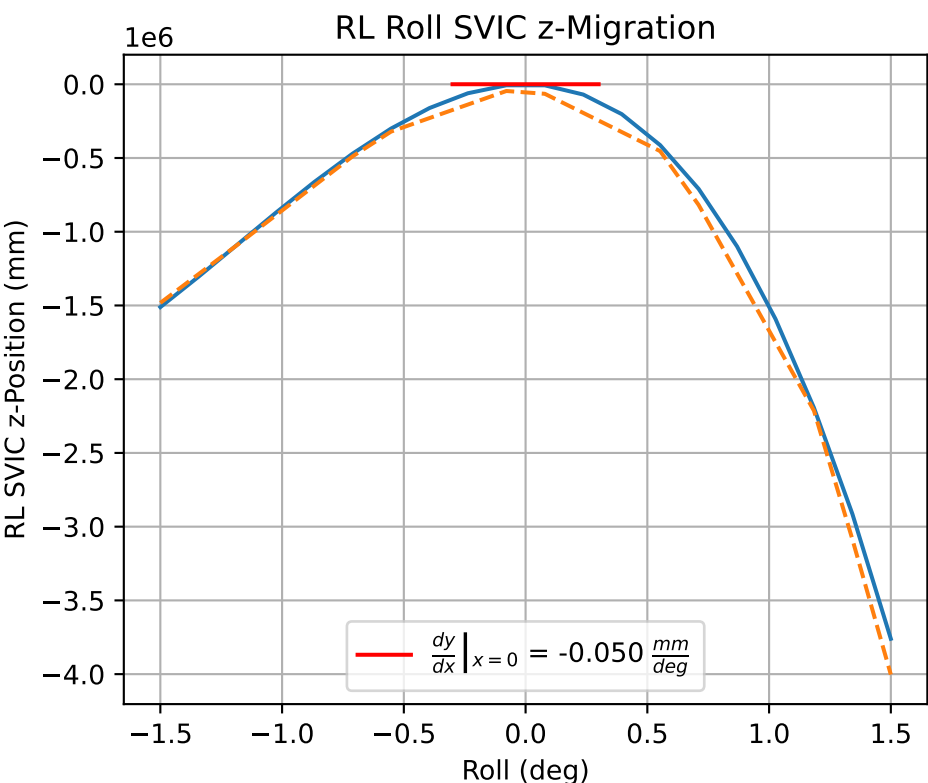
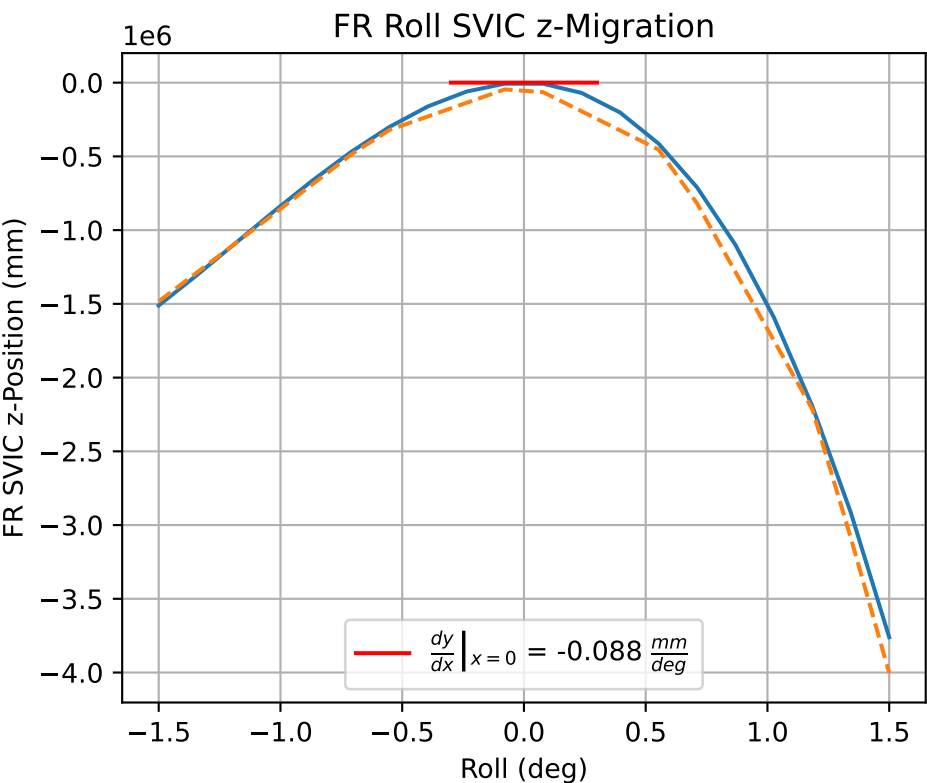
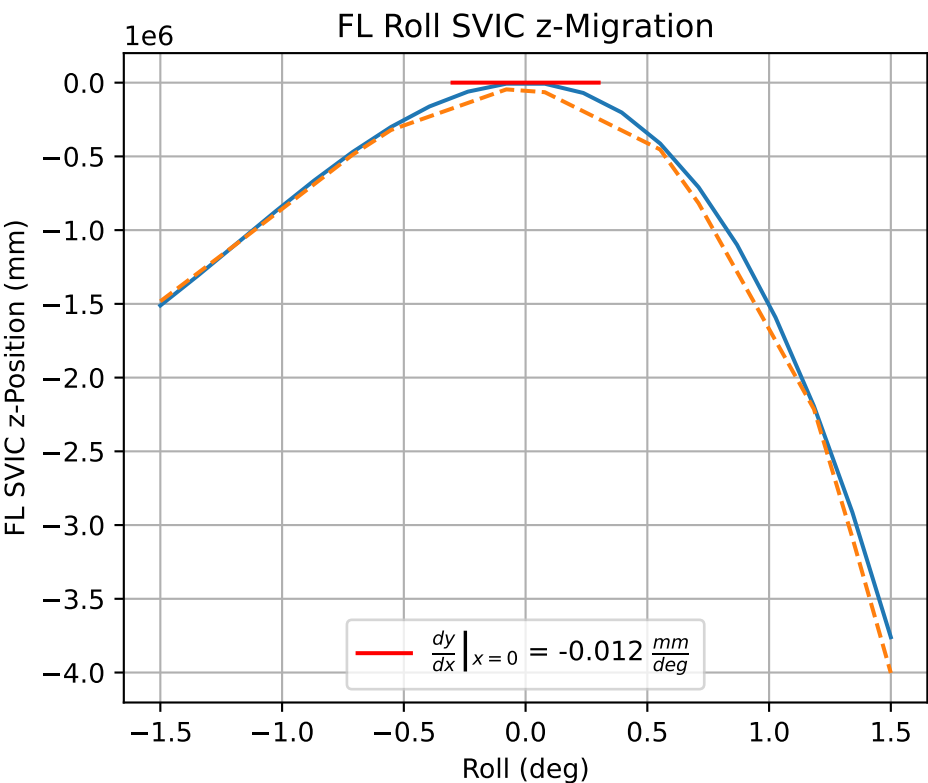
FL	$f(x) = -0.0x + 1.000e+12$
FR	$f(x) = -0.0x + 1.000e+12$
RL	$f(x) = -0.001x + 1.000e+12$
RR	$f(x) = 0.001x + 1.000e+12$



Cubic Fit

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

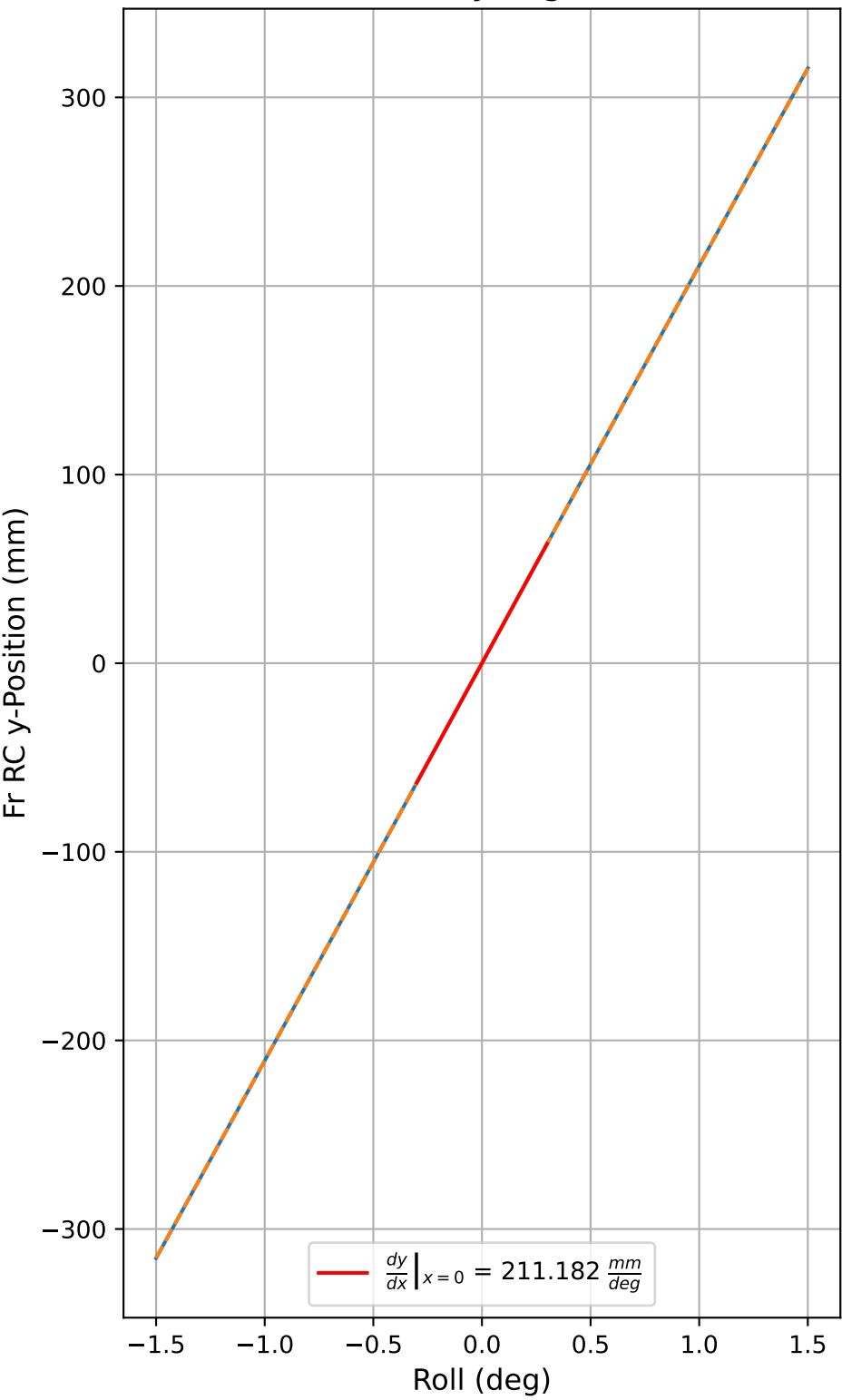
FL	$f(x) = -1.062x^3 + -1.689x^2 + 0.555x + 1.0e+12$
FR	$f(x) = -1.062x^3 + -1.689x^2 + 0.555x + 1.0e+12$
RL	$f(x) = -1.062x^3 + -1.695x^2 + 0.555x + 1.0e+12$
RR	$f(x) = -1.062x^3 + -1.695x^2 + 0.556x + 1.0e+12$



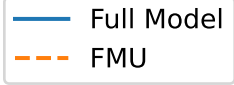
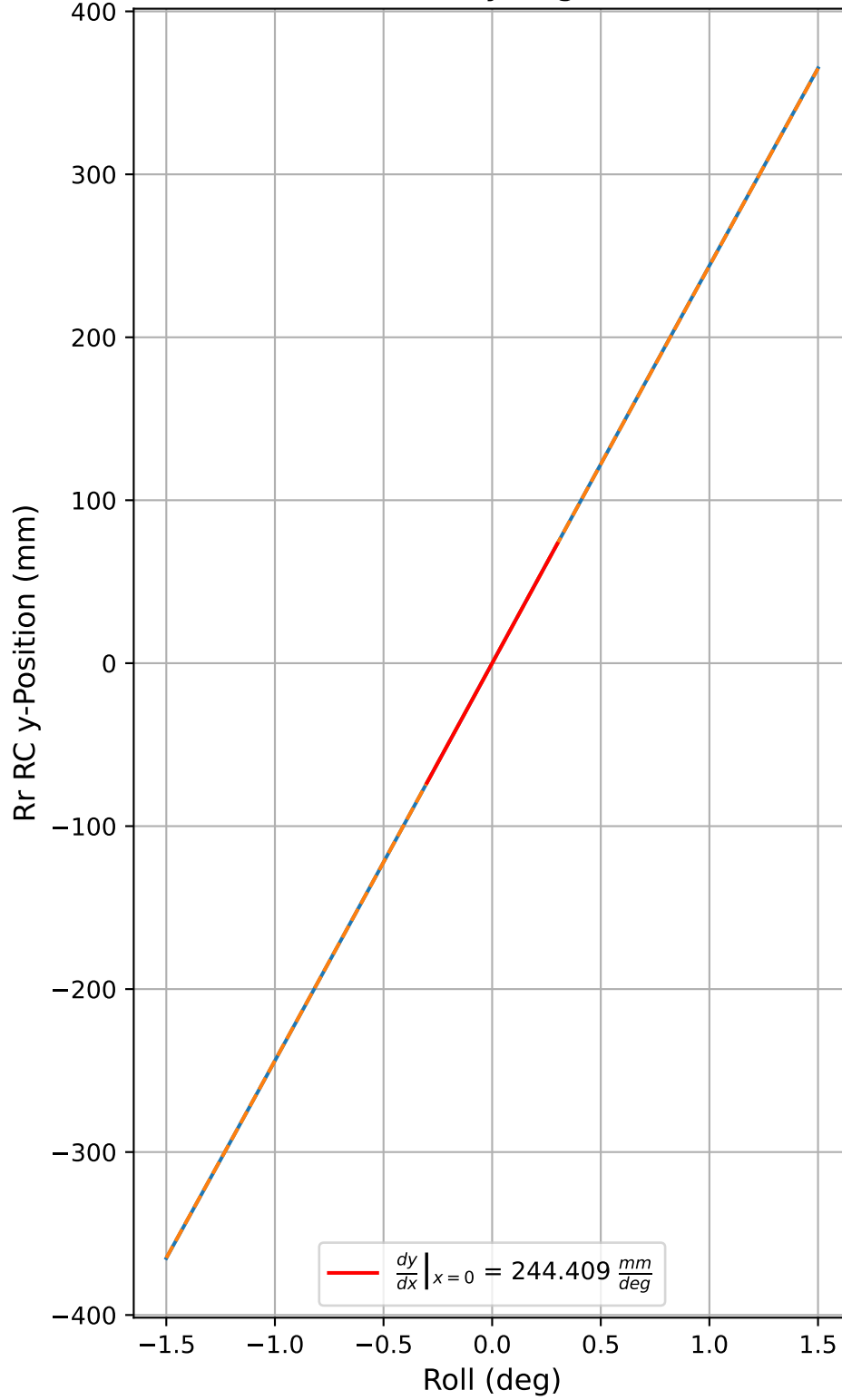
Linear Fit		$f(x) = a_1x + a_0$
FL		$f(x) = -0.012x + 203.231$
FR		$f(x) = -0.088x + 203.231$
RL		$f(x) = -0.05x + 203.262$
RR		$f(x) = -0.05x + 203.262$

Cubic Fit		$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$
FL		$f(x) = -333350.204x^3 - 1171318.784x^2 + 473.537x + 1.0$
FR		$f(x) = -333350.204x^3 - 1171318.784x^2 + 473.462x + 1.0$
RL		$f(x) = -333350.204x^3 - 1171318.784x^2 + 473.499x + 1.0$
RR		$f(x) = -333350.203x^3 - 1171318.784x^2 + 473.499x + 1.0$

Fr Roll RC y-Migration



Rr Roll RC y-Migration



Linear Fit

$f(x) = a_1x + a_0$

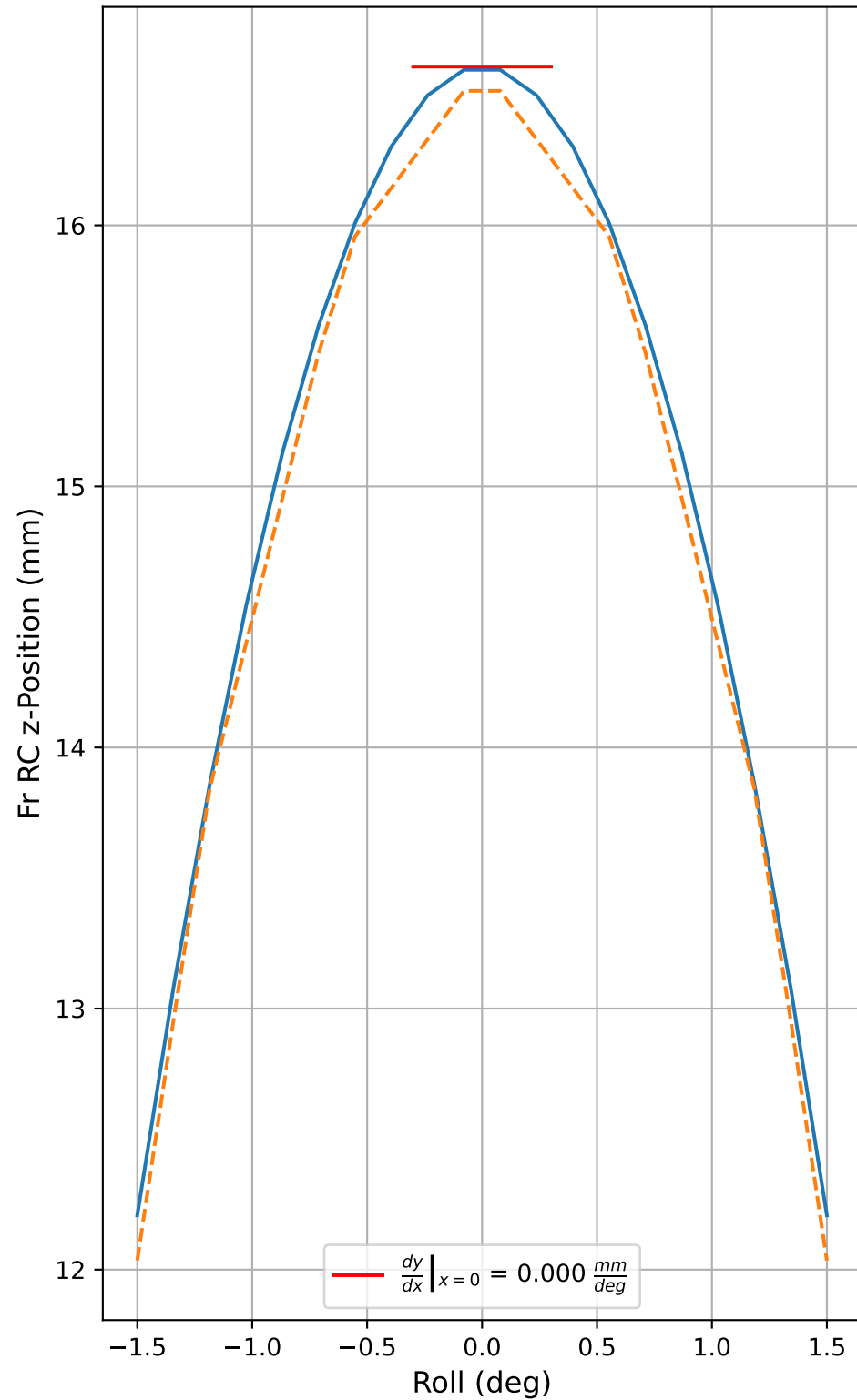
Fr	$f(x) = 211.182x + -0.0$
Rr	$f(x) = 244.409x + 0.0$

Cubic Fit

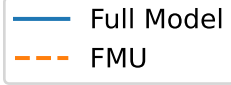
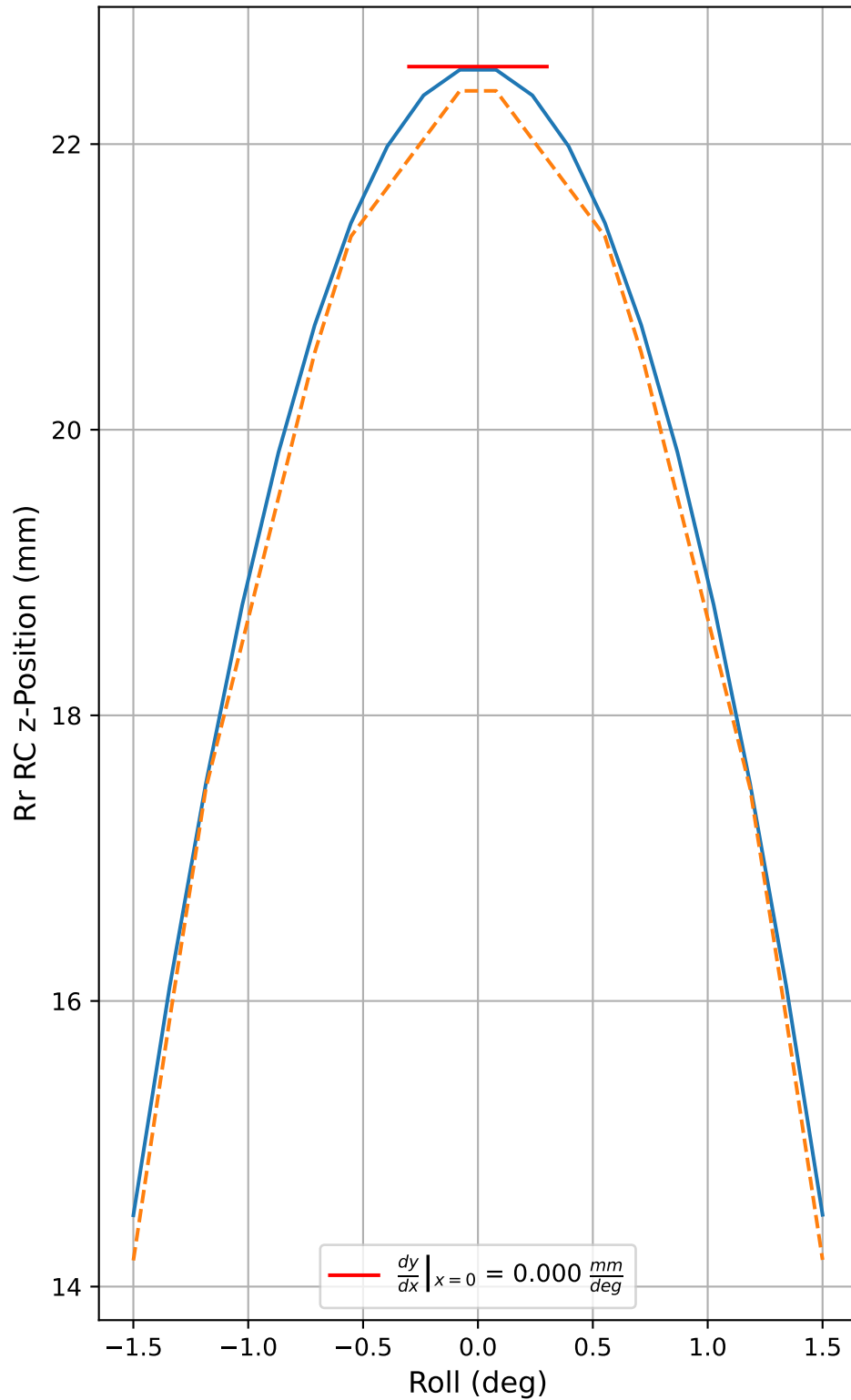
$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$

Fr	$f(x) = -0.387x^3 + -0.0x^2 + 211.182x + 0.0$
Rr	$f(x) = -0.442x^3 + -0.0x^2 + 244.409x + 0.0$

Fr Roll RC z-Migration



Rr Roll RC z-Migration



Linear Fit

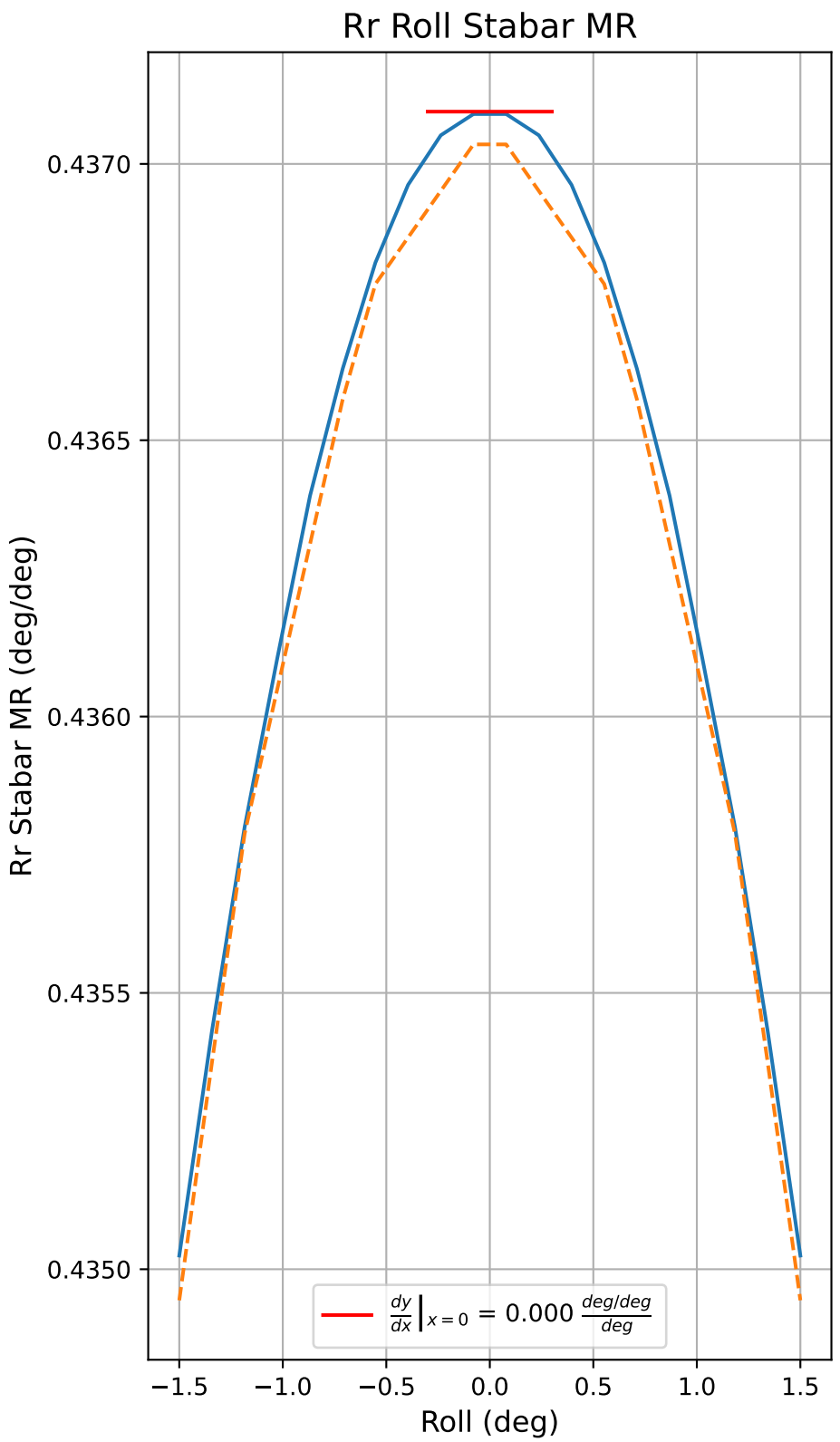
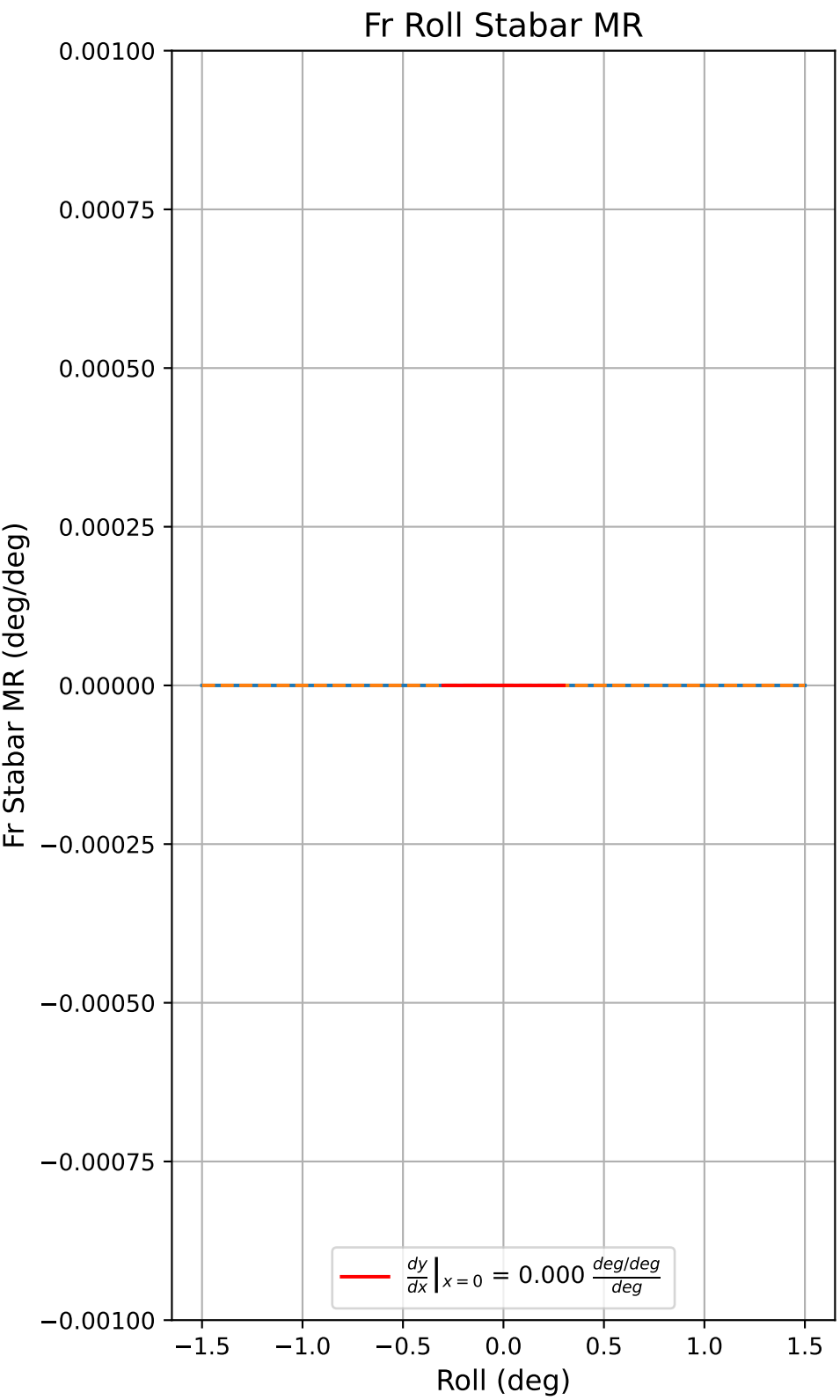
$$f(x) = a_1x + a_0$$

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	$f(x) = 0.0x^3 + -1.956x^2 + -0.0x + 16.606$
Rr	$f(x) = 0.001x^3 + -3.575x^2 + -0.0x + 22.54$



Full Model

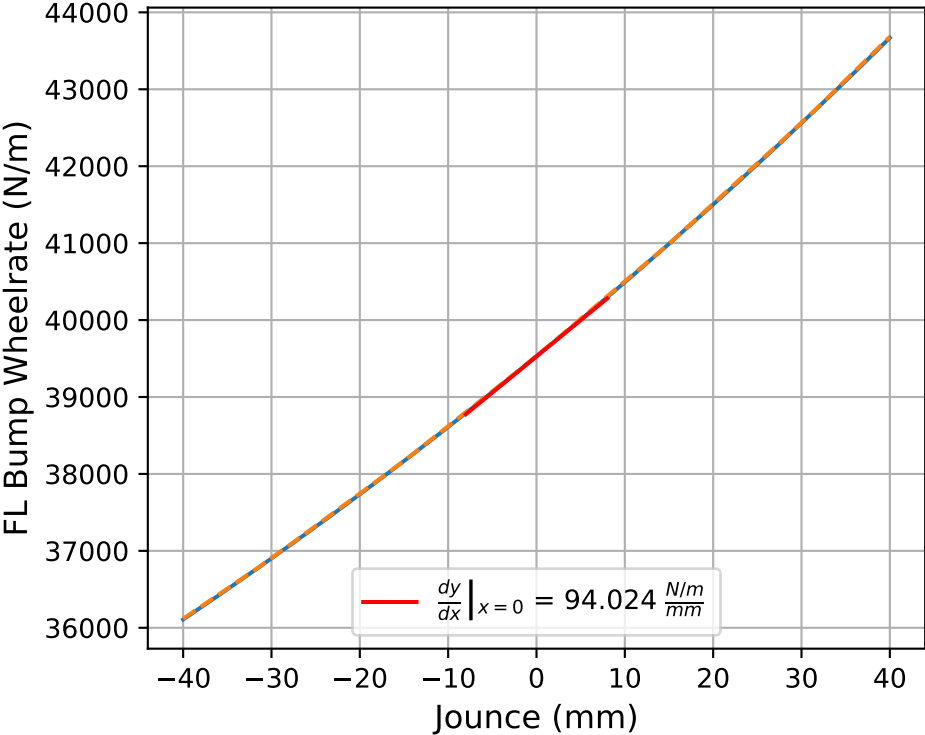
FMU

Linear Fit		$f(x) = a_1x + a_0$
Fr	$f(x) = 0.0x + 0.0$	
Rr	$f(x) = 0.0x + 0.437$	

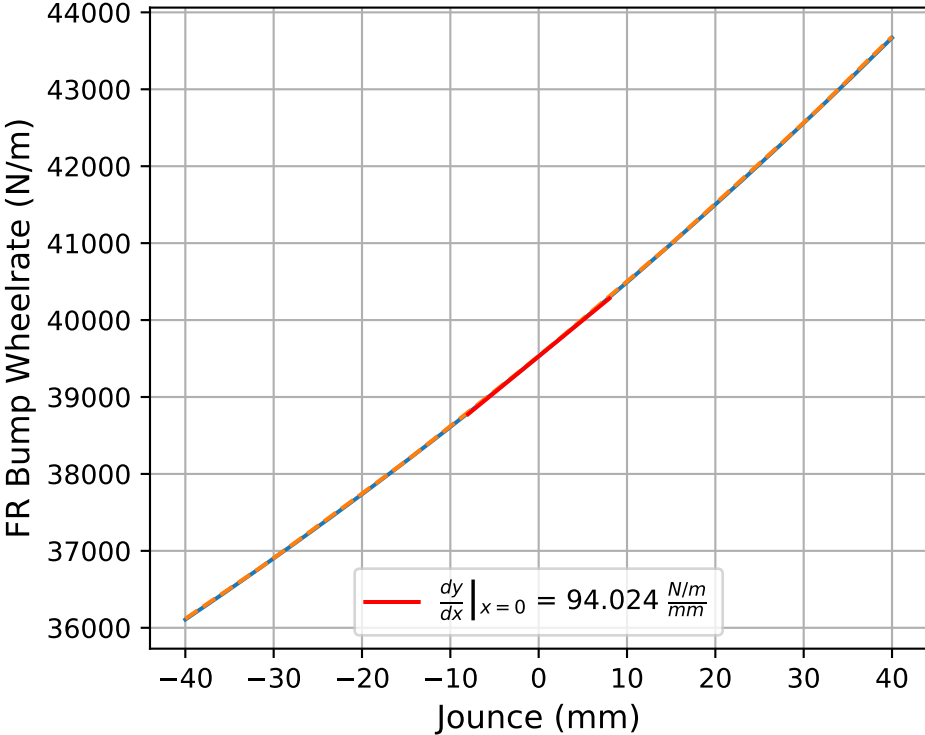
Cubic Fit		$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$
Fr	$f(x) = 0.0x^3 + 0.0x^2 + 0.0x + 0.0$	
Rr	$f(x) = 0.0x^3 + -0.001x^2 + -0.0x + 0.437$	



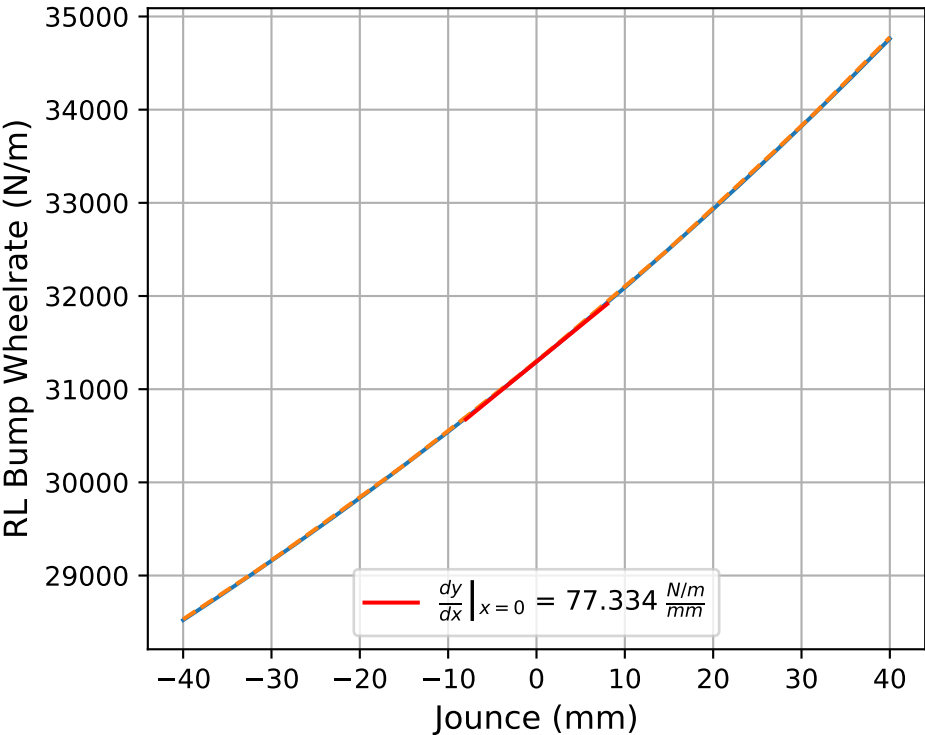
FL Bump Wheelrate



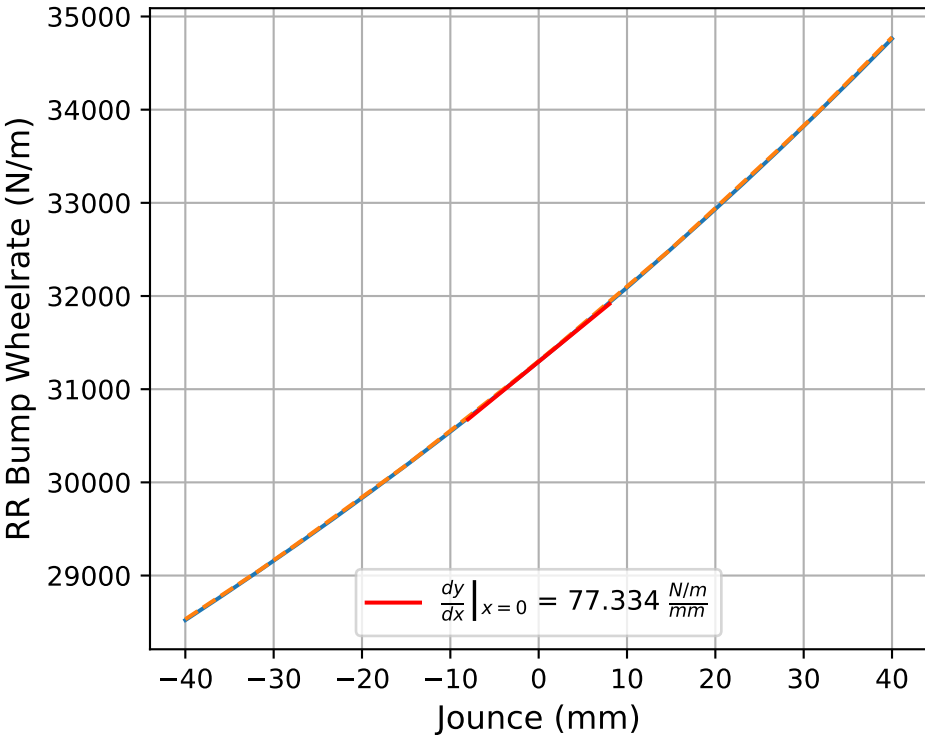
FR Bump Wheelrate



RL Bump Wheelrate



RR Bump Wheelrate



Linear Fit

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

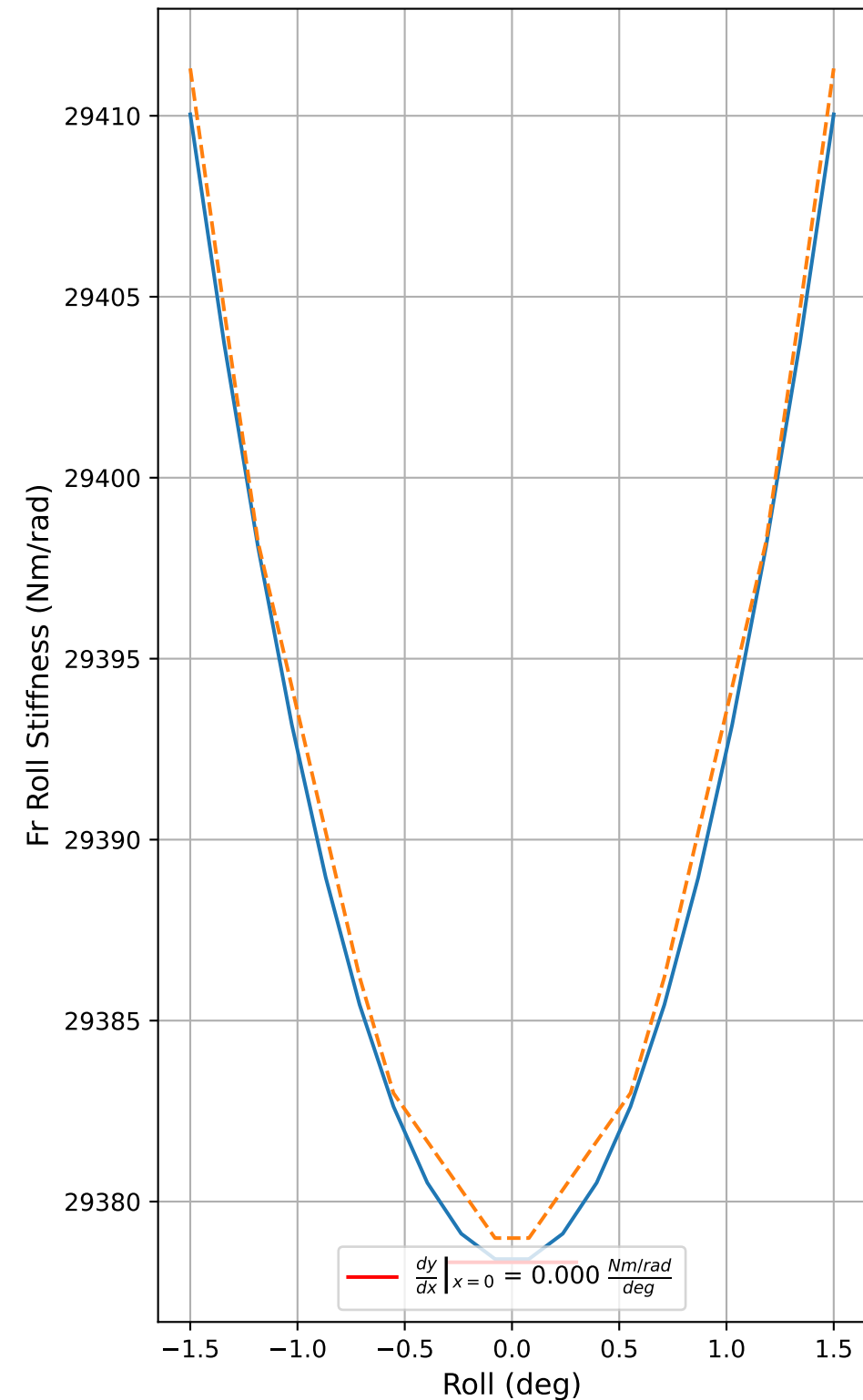
FL	$f(x) = 94.024x + 3.953e+04$
FR	$f(x) = 94.024x + 3.953e+04$
RL	$f(x) = 77.334x + 3.130e+04$
RR	$f(x) = 77.334x + 3.130e+04$

Cubic Fit

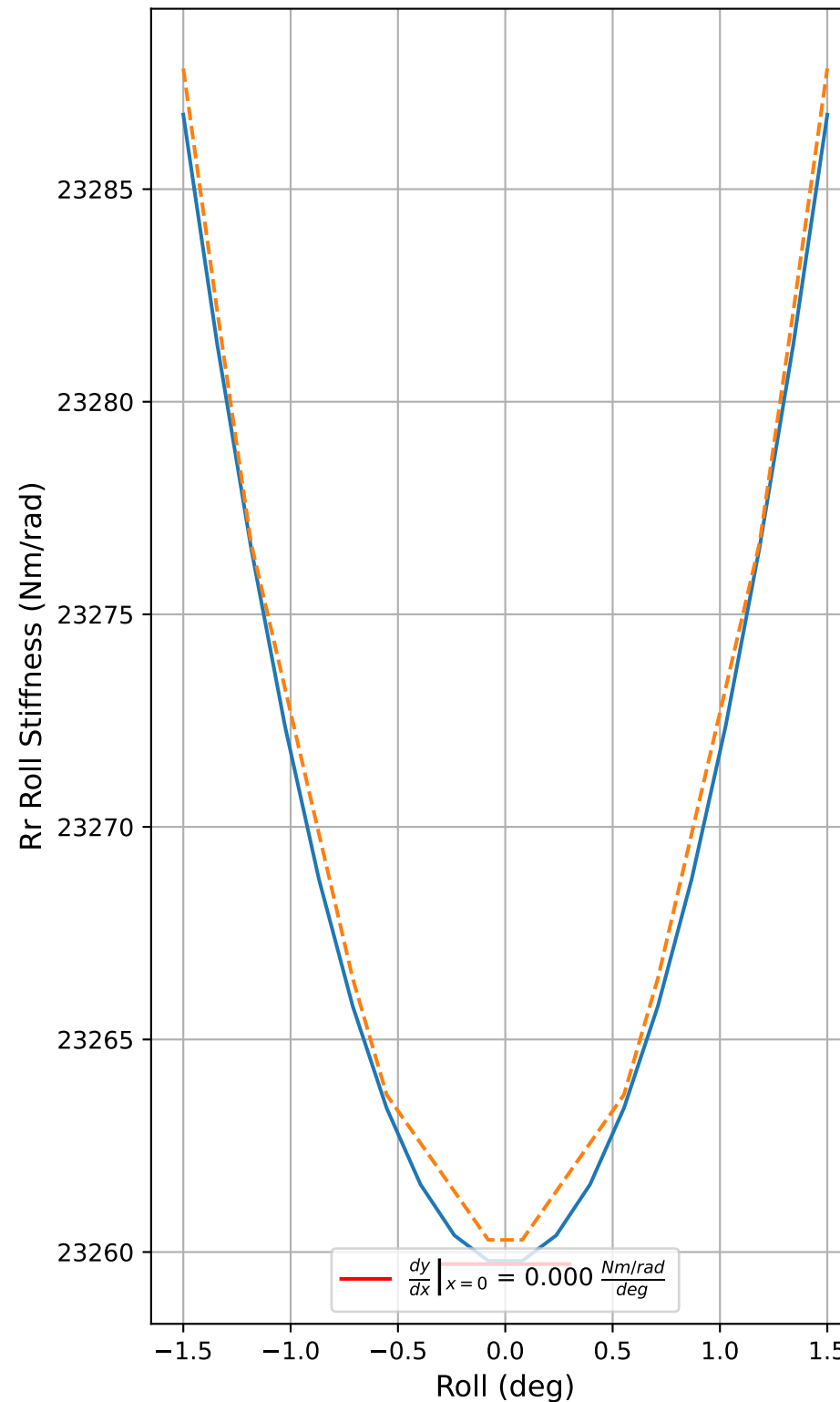
$$f(x) = a_3x^3 + a_2x^2 + a_1x + a_0$$

FL	$f(x) = 0.0x^3 + 0.225x^2 + 94.027x + 4.0e+04$
FR	$f(x) = 0.0x^3 + 0.225x^2 + 94.027x + 4.0e+04$
RL	$f(x) = 0.0x^3 + 0.216x^2 + 77.334x + 3.1e+04$
RR	$f(x) = 0.0x^3 + 0.216x^2 + 77.334x + 3.1e+04$

Fr Roll Stiffness



Rr Roll Stiffness



Linear Fit

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

Fr	$f(x) = 0.0x + 29378.323$
Rr	$f(x) = 0.0x + 23259.717$

Cubic Fit

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

Fr	$f(x) = 0.0x^3 + 14.096x^2 + -0.0x + 29378.323$
Rr	$f(x) = -0.0x^3 + 12.015x^2 + -0.0x + 23259.715$