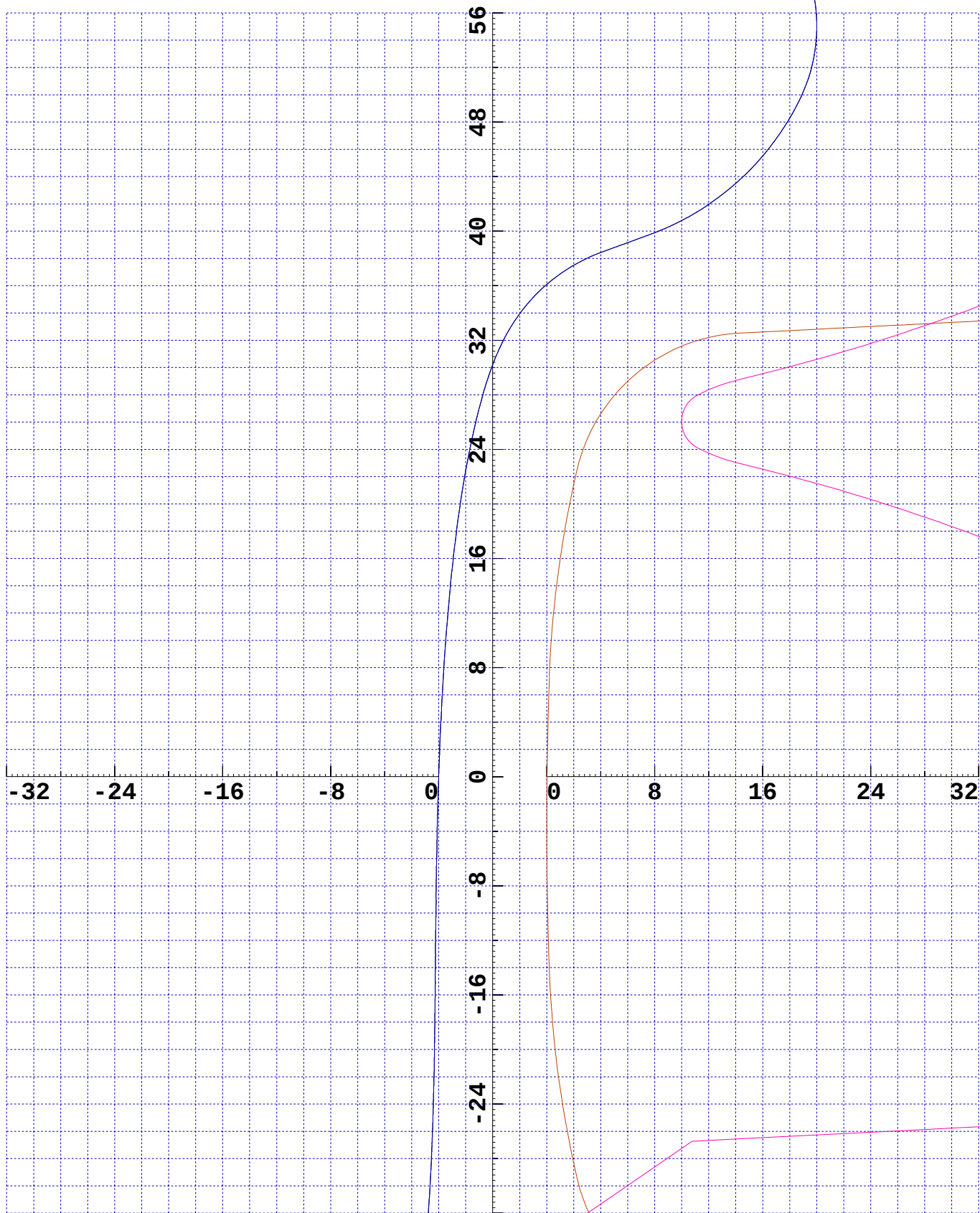
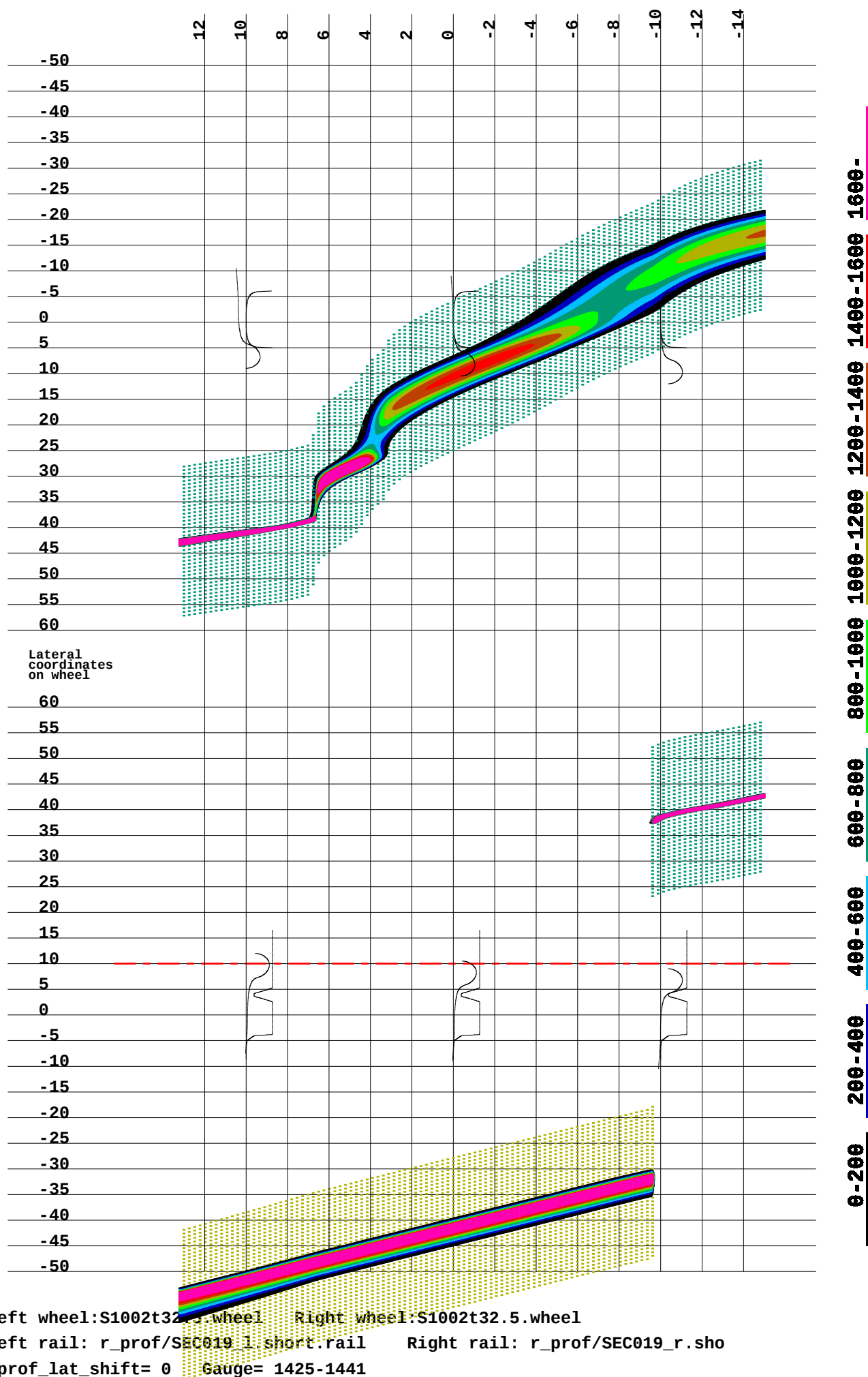


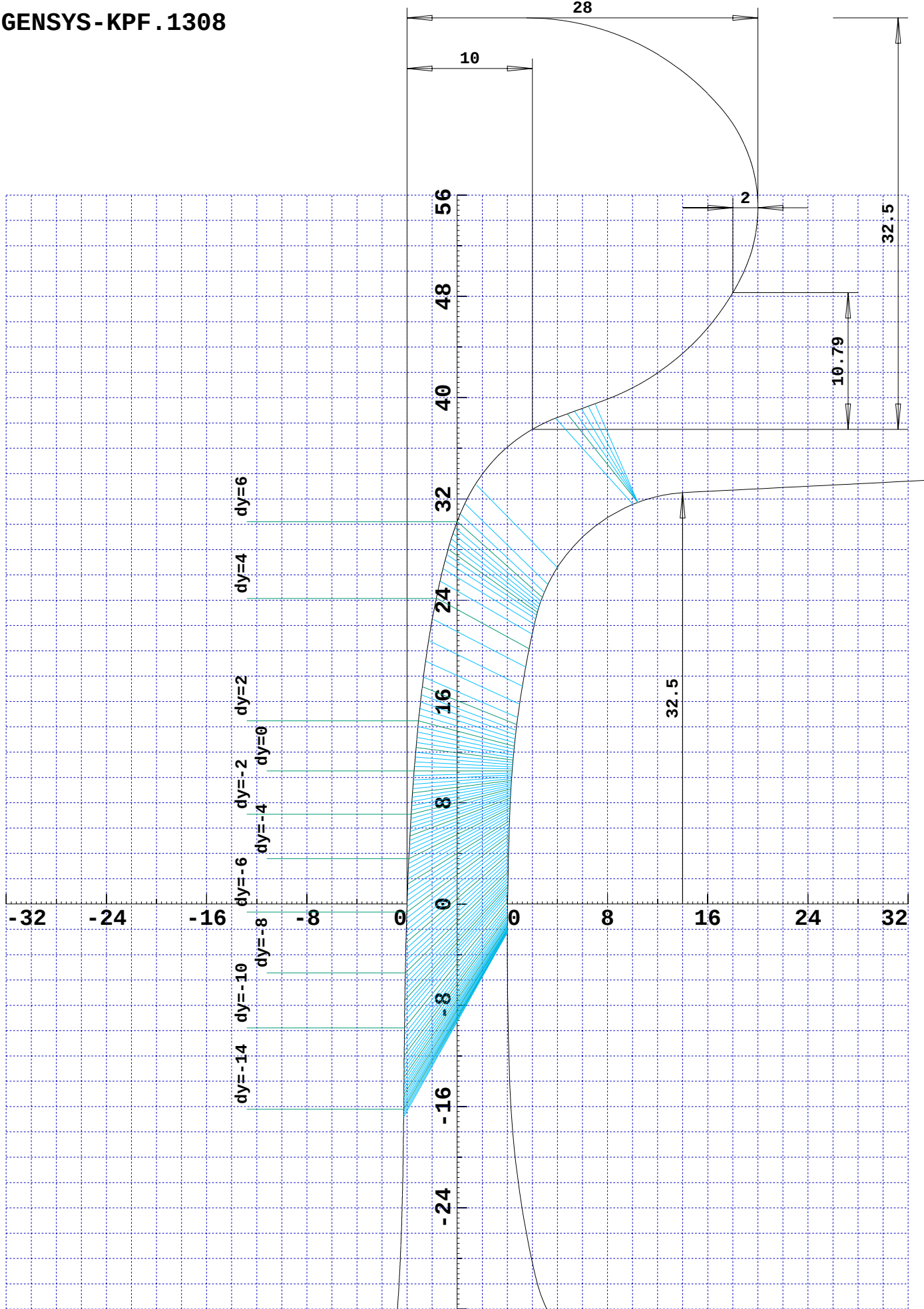
- Right wheel
- Left wheel
- Right rail
- Left rail



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel WRGEOM
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

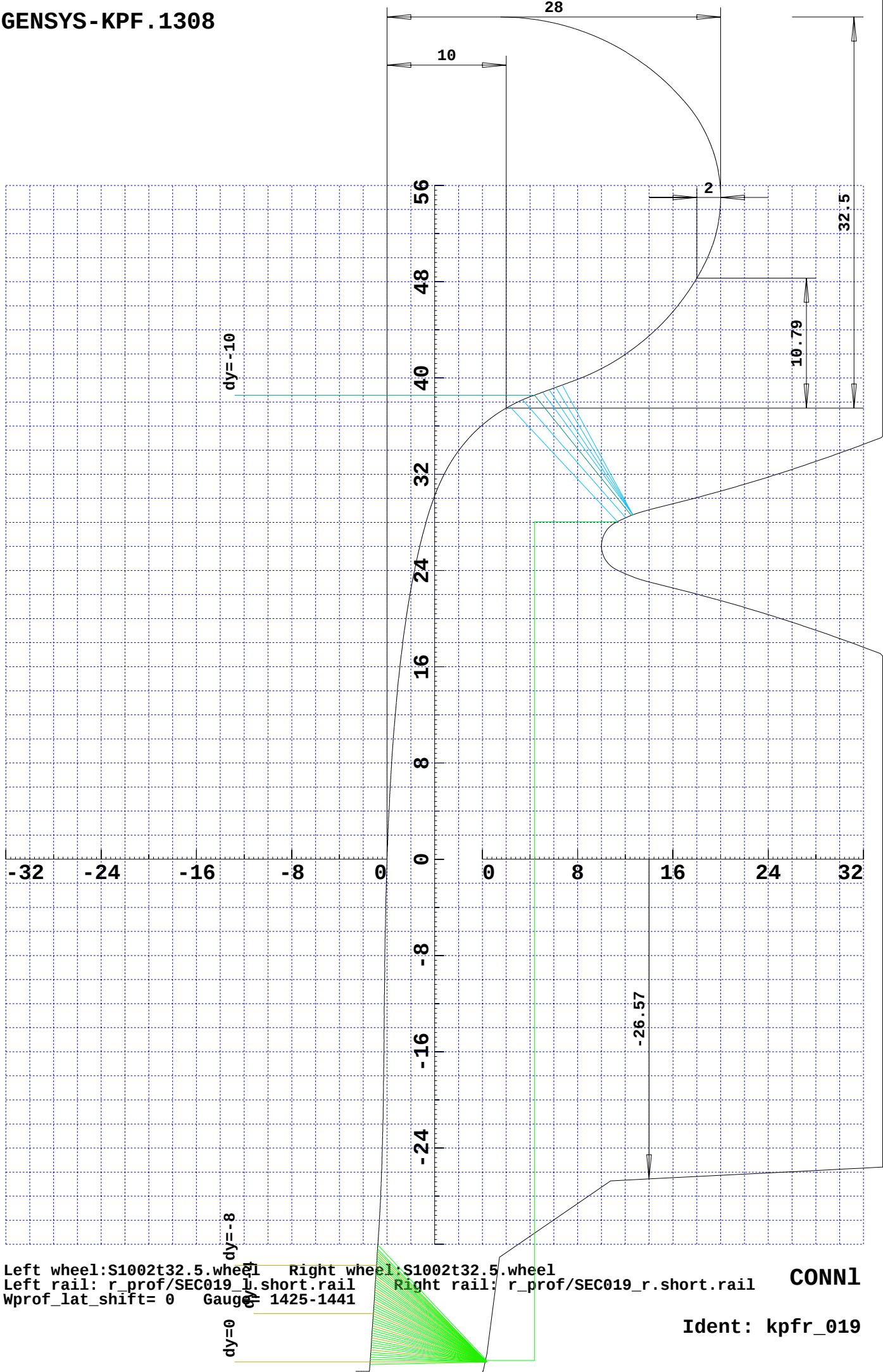
Ident: kpfr_019

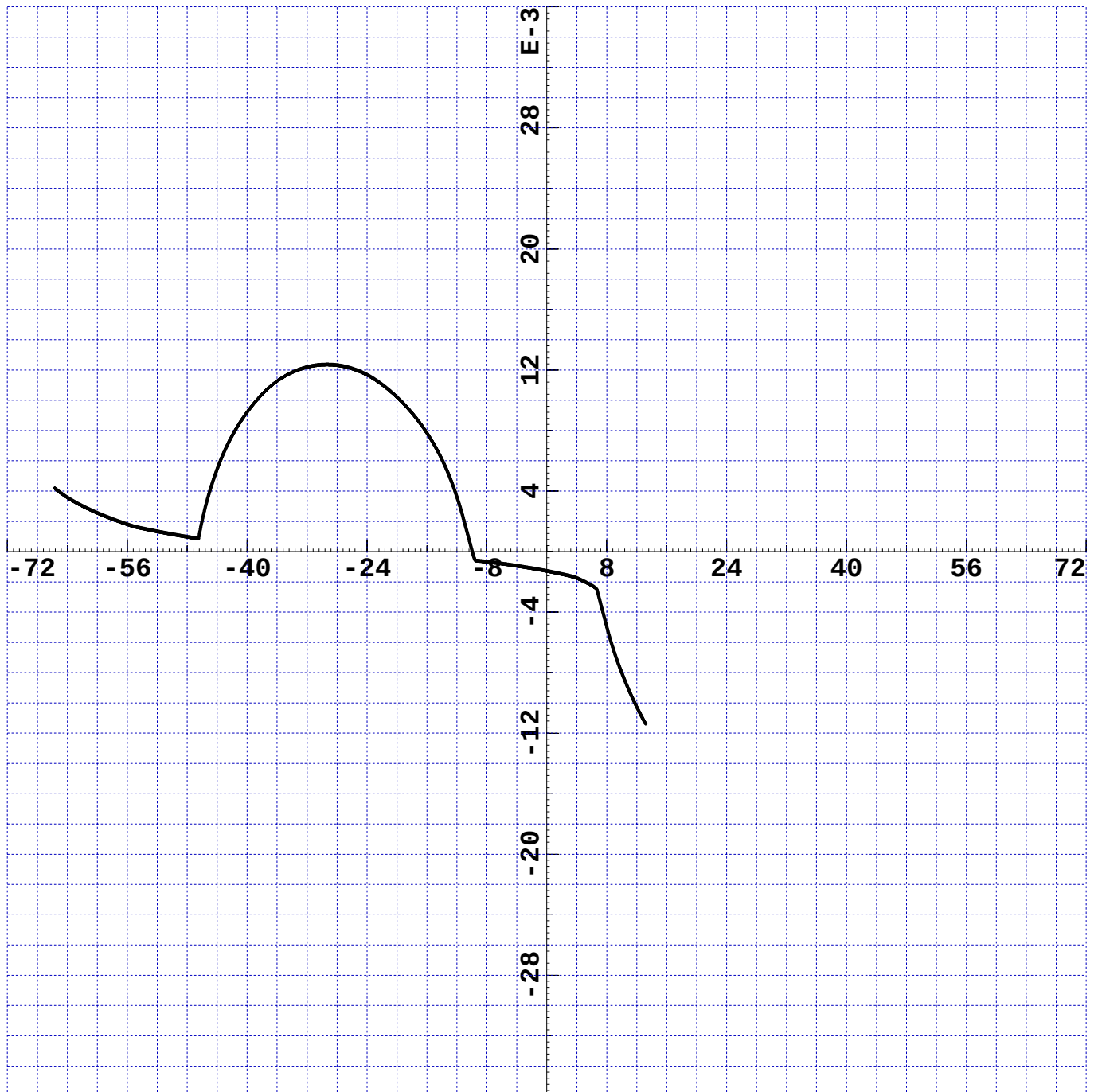




Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel CONNr
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

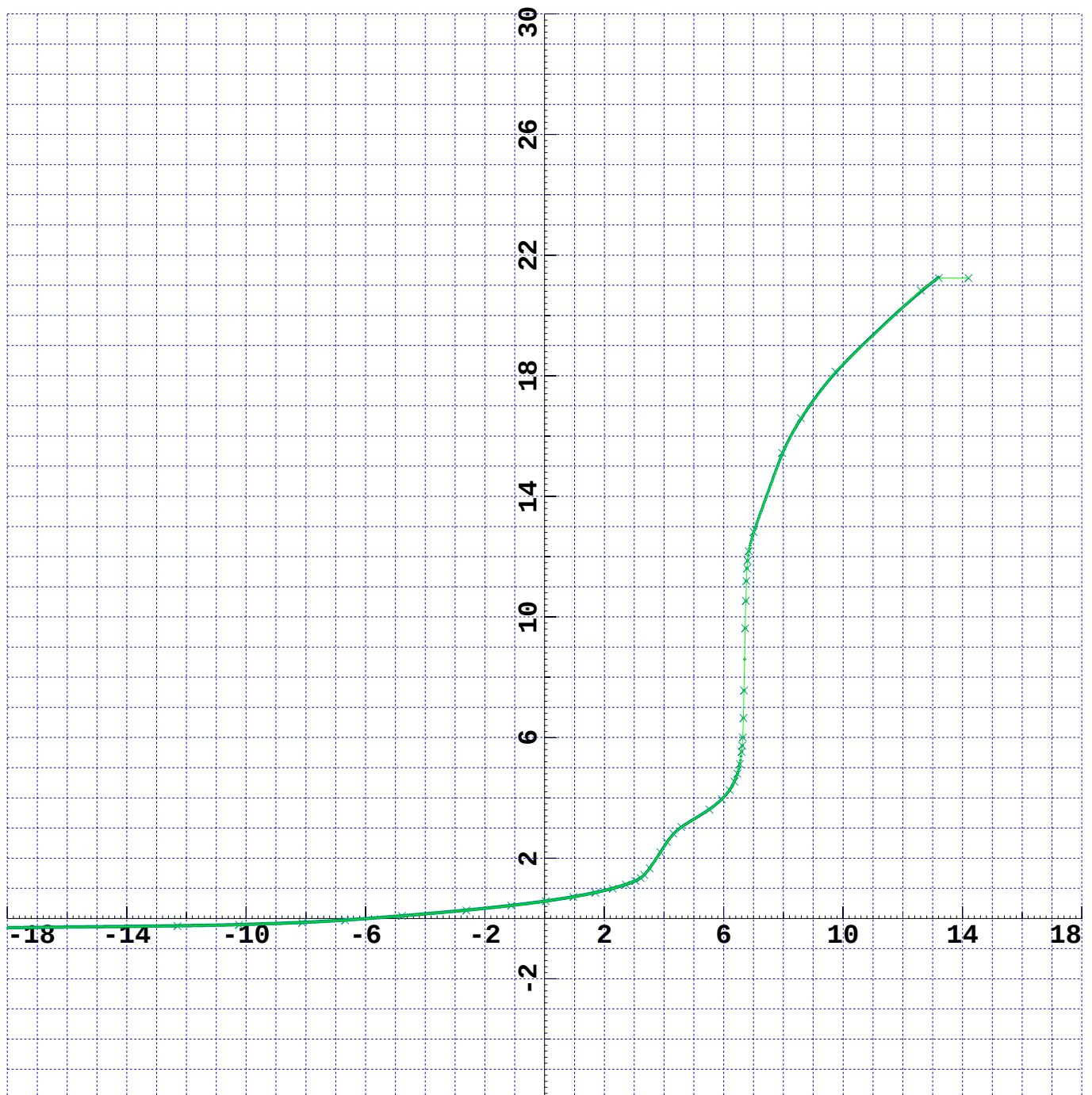
Ident: kpfr_019





Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **Flax1**
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

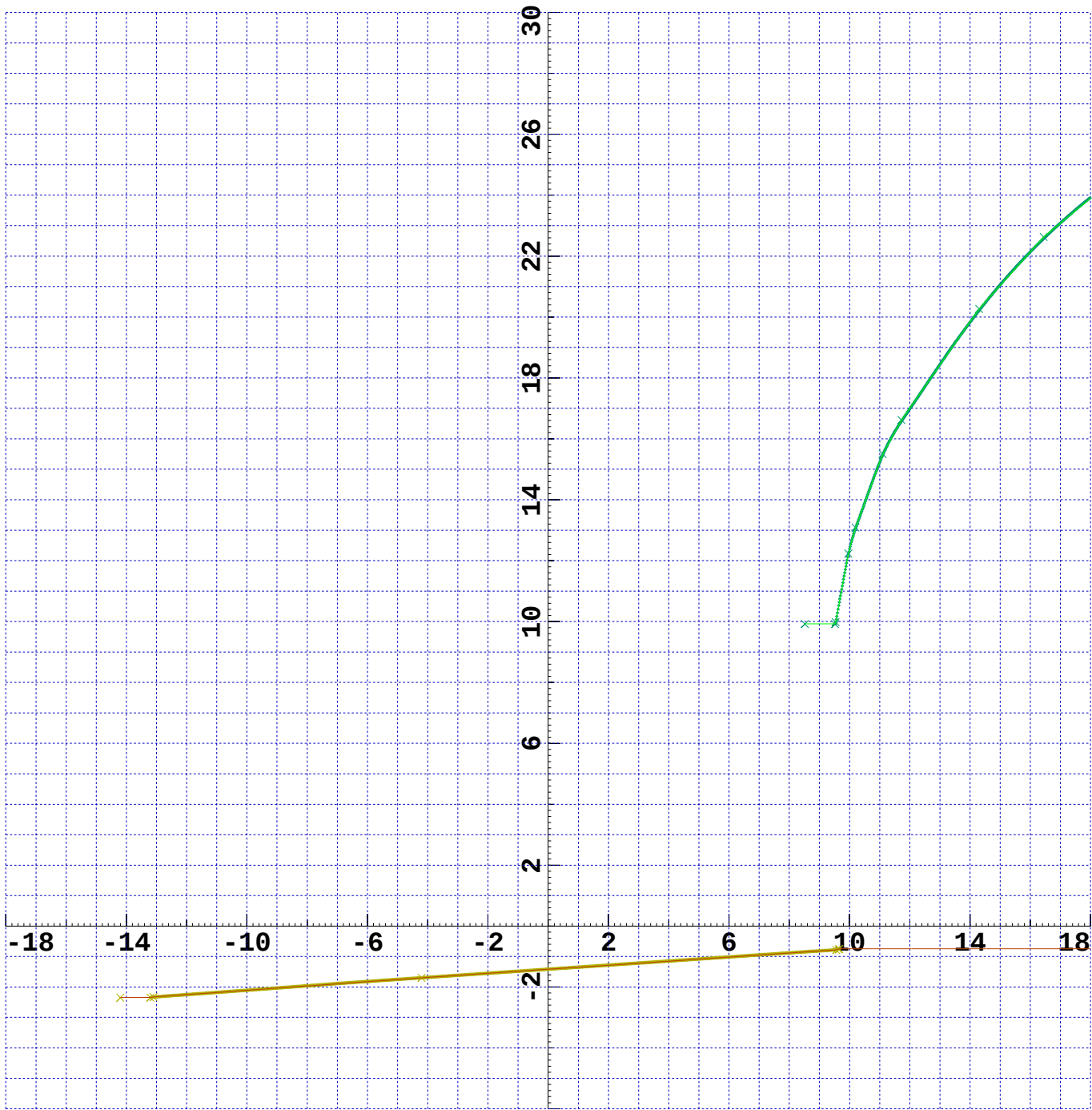
Ident: kpfr_019



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

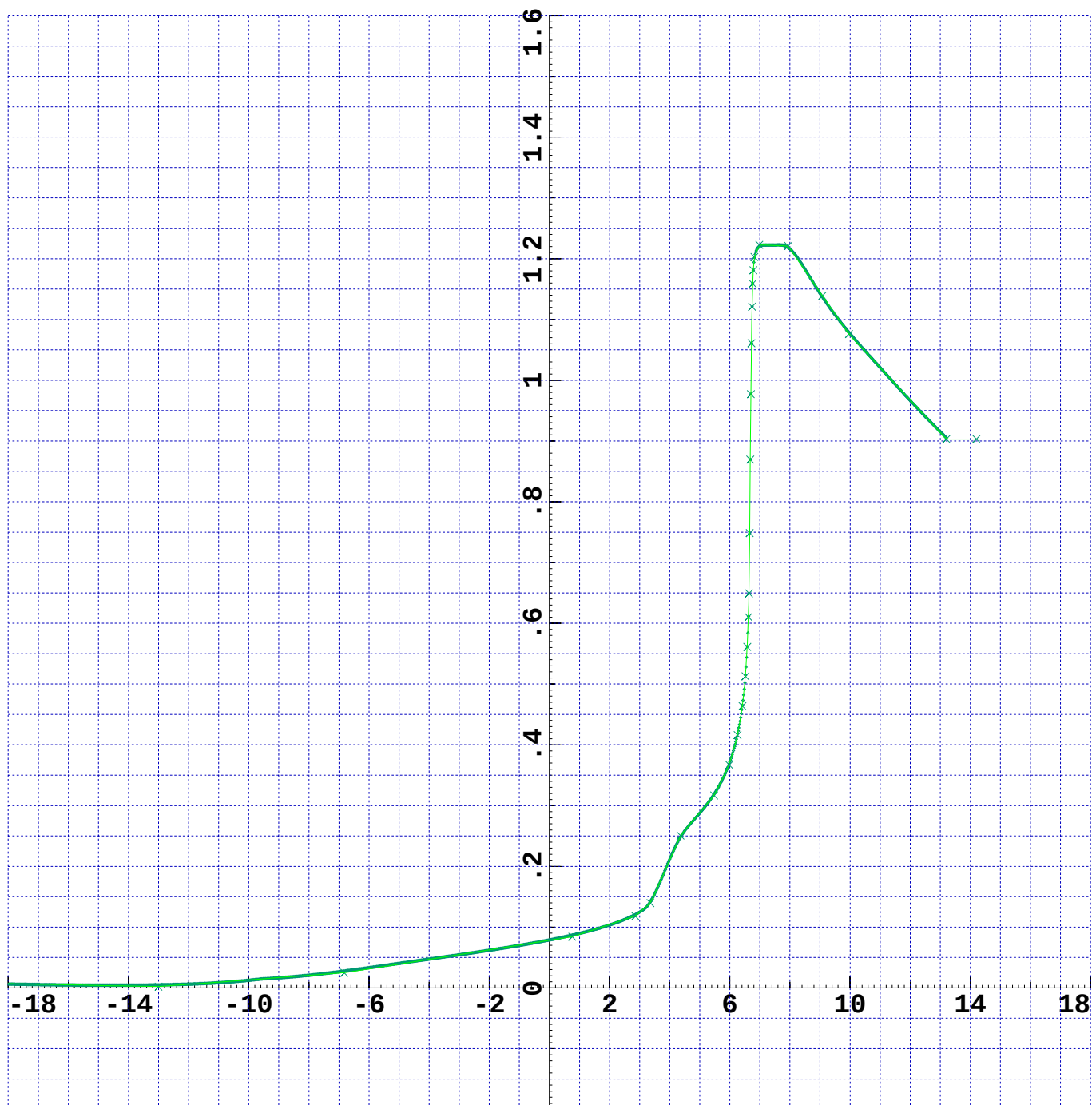
DRFNr

Ident: kpfr_019



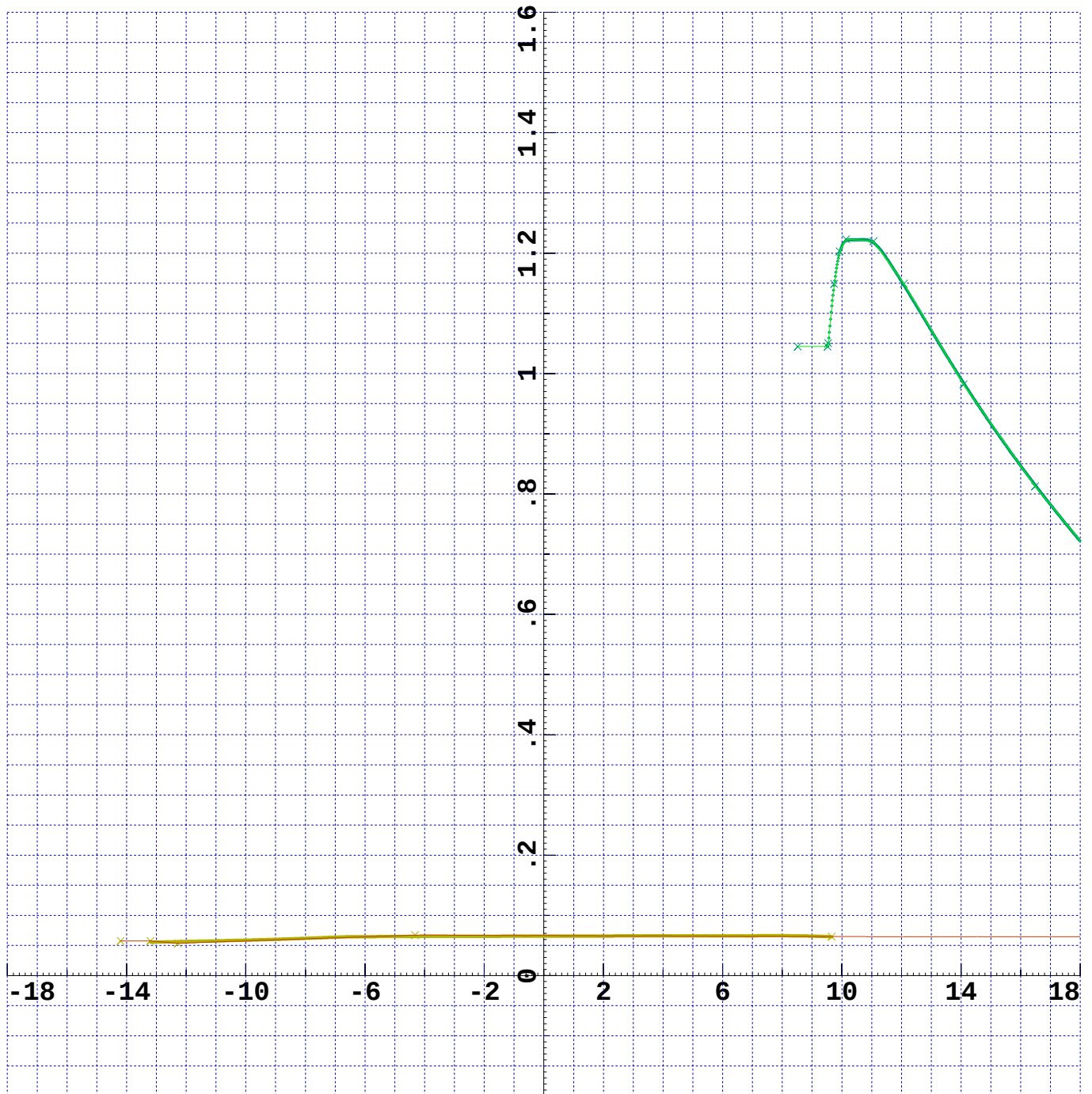
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel **DRFN1**
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_019



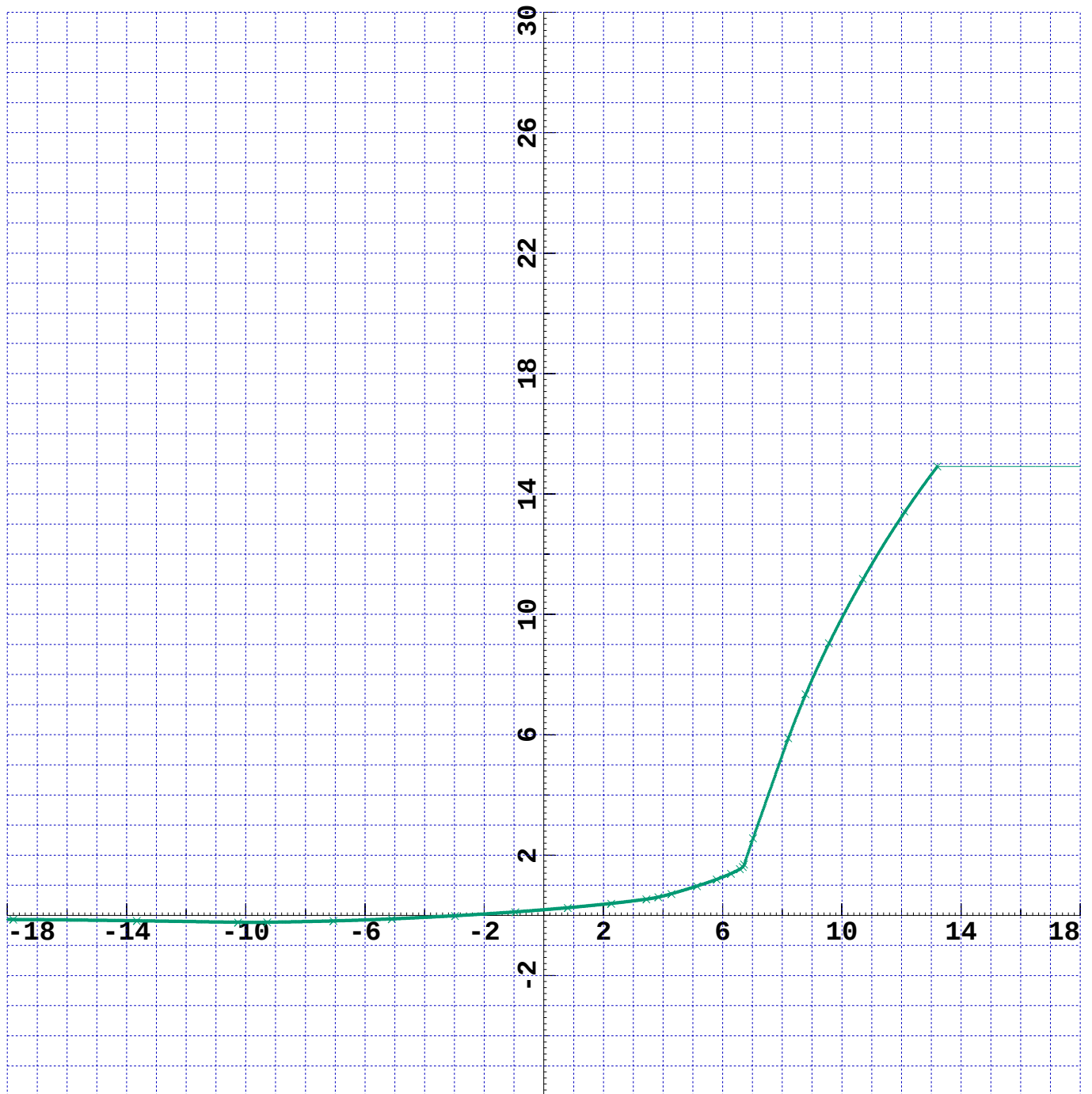
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel GAMFNr
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_019



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel GAMFN1
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

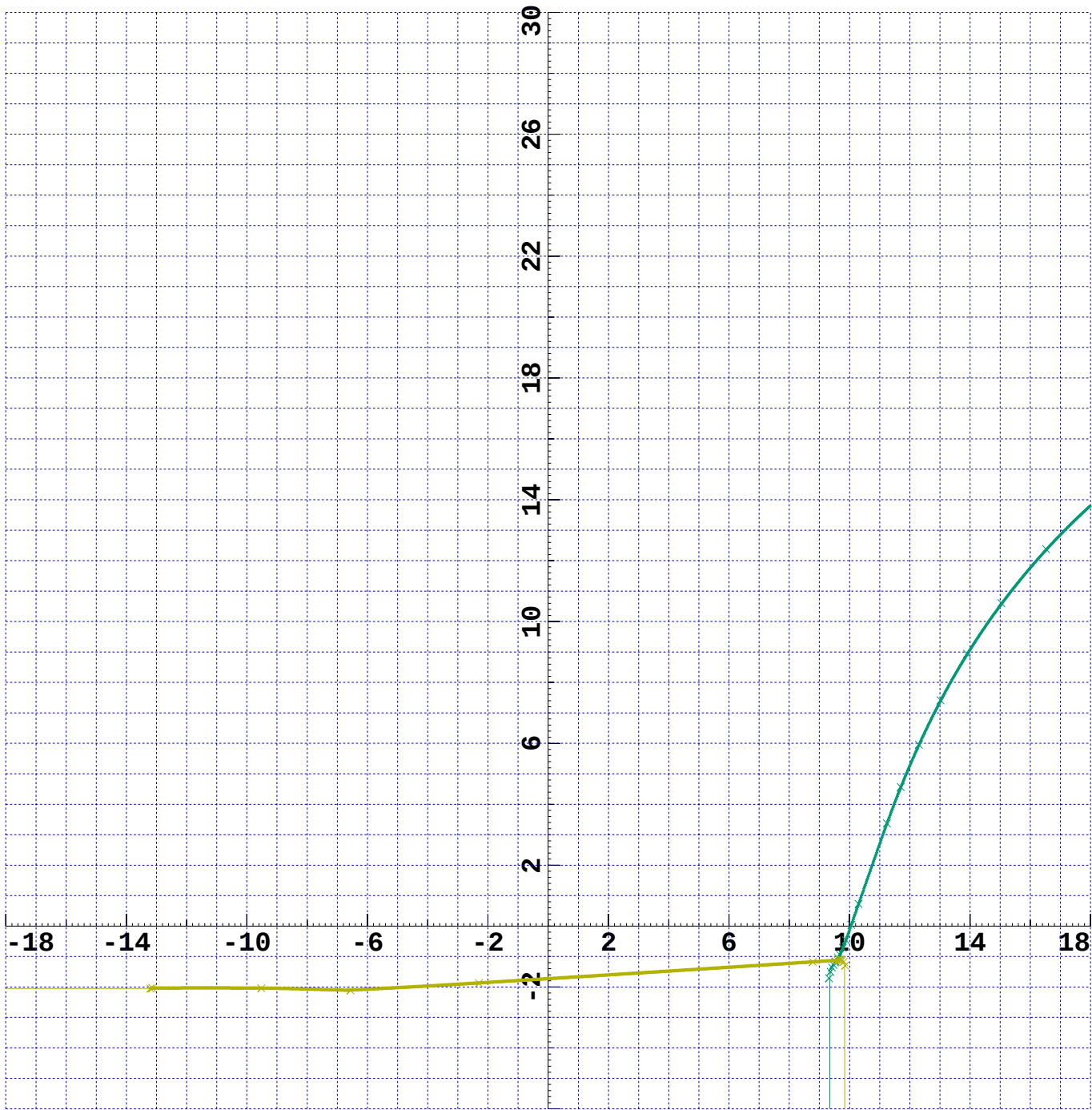
Ident: kpfr_019

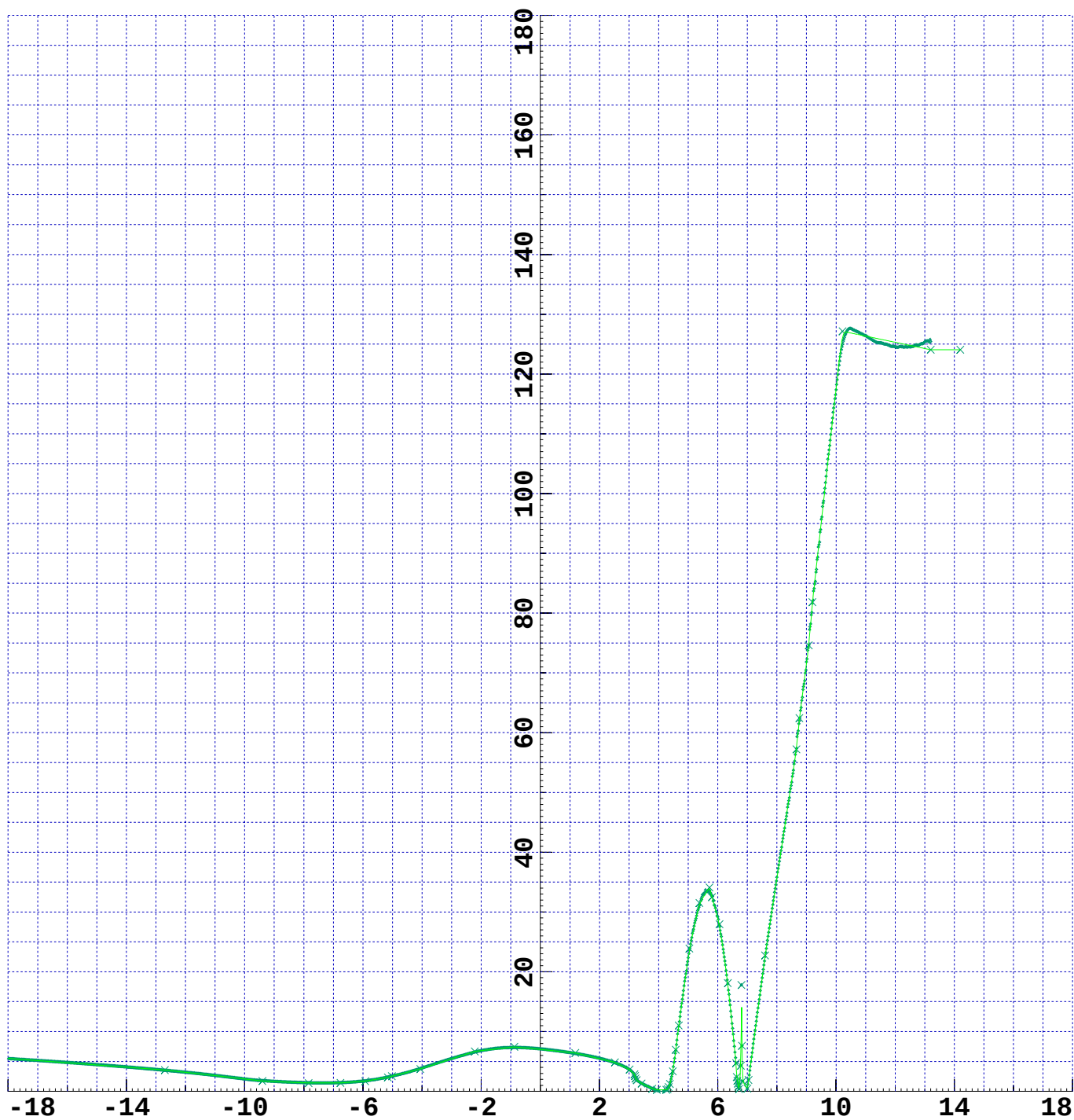


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ZFNr

Ident: kpfr_019

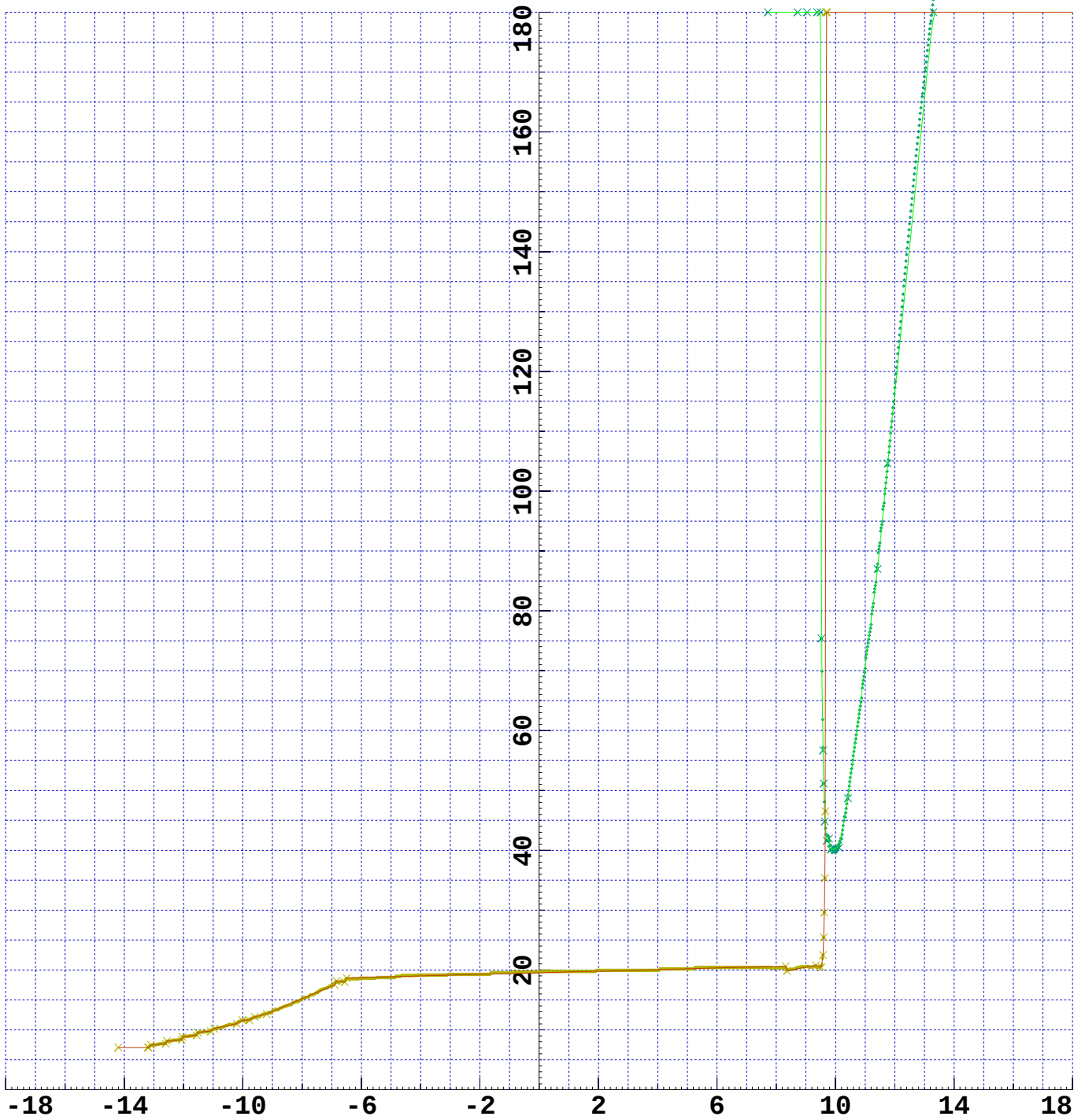


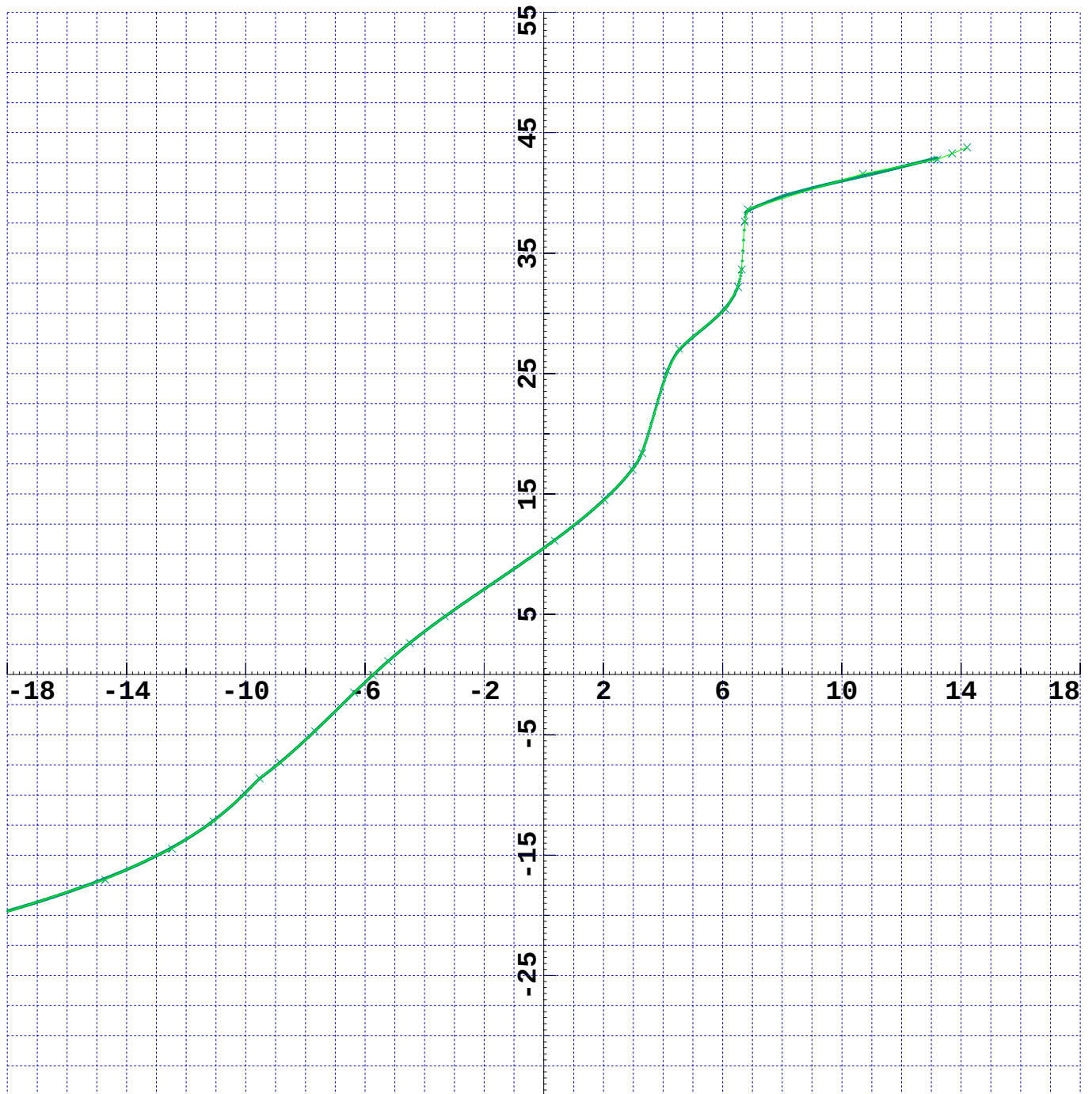


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ROFNr

Ident: kpfr_019

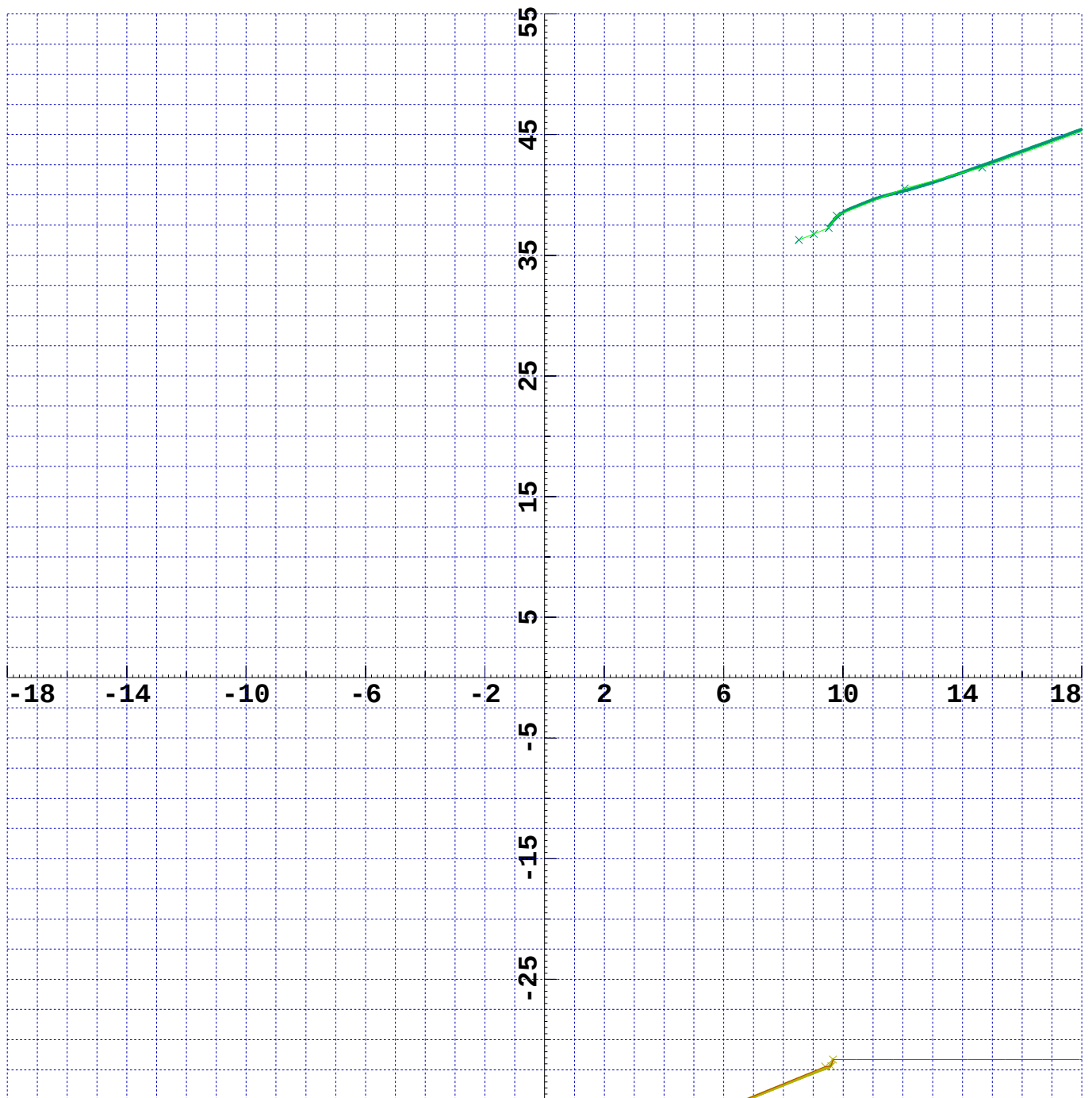




Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

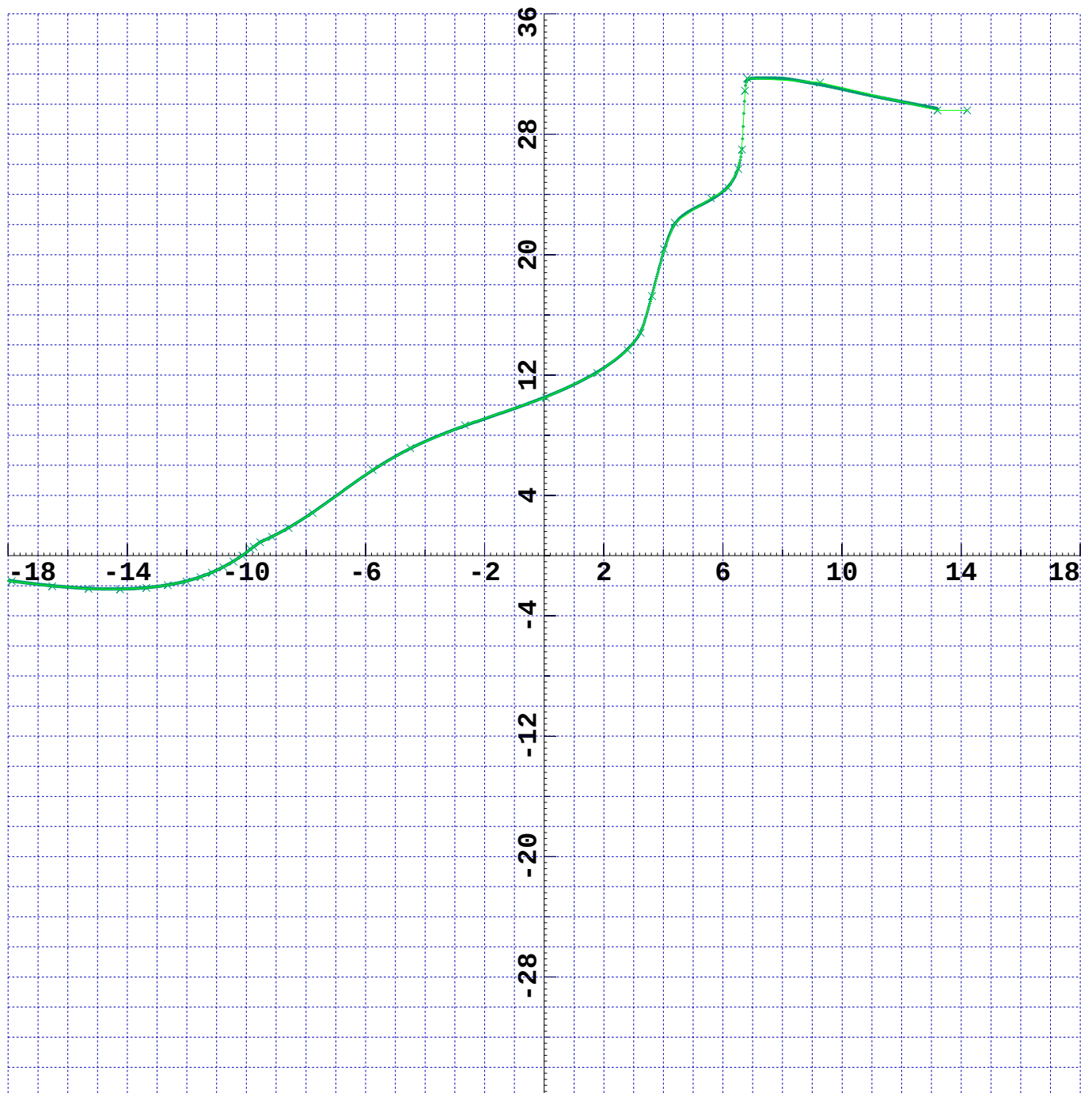
POSWr

Ident: kpfr_019



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel POSW1
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

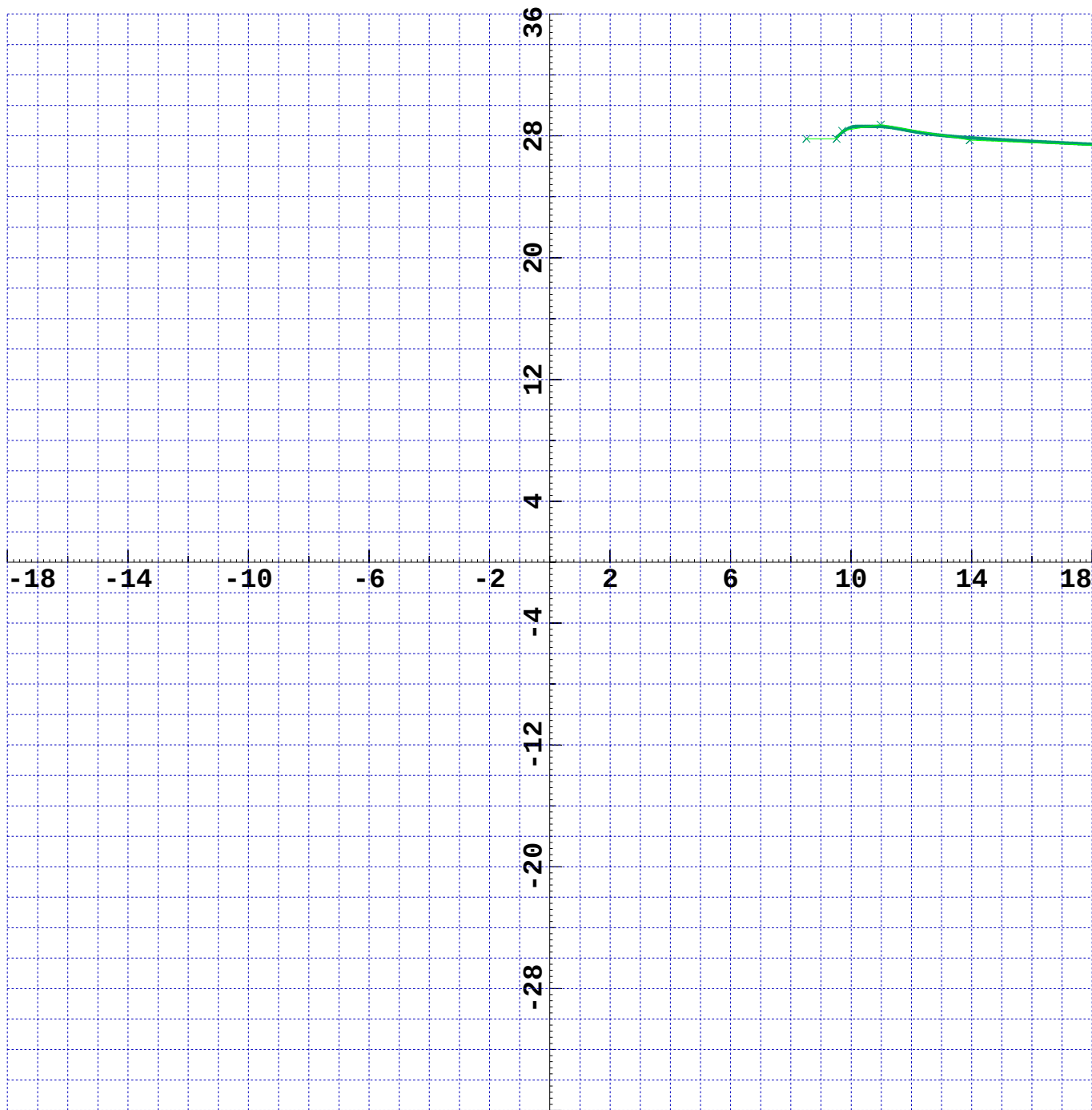
Ident: kpfr_019



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

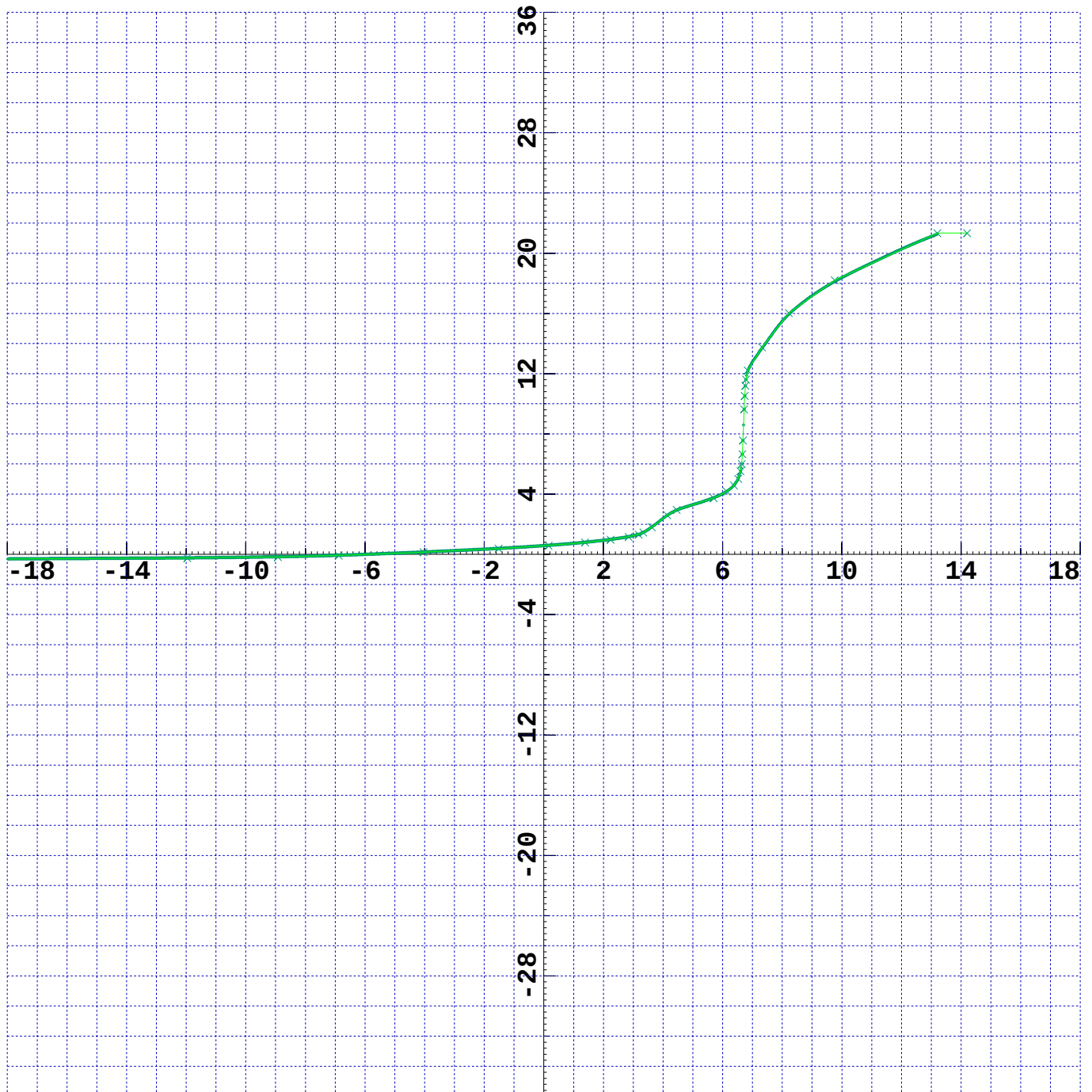
POSRR

Ident: kpfr_019



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel POSR1
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

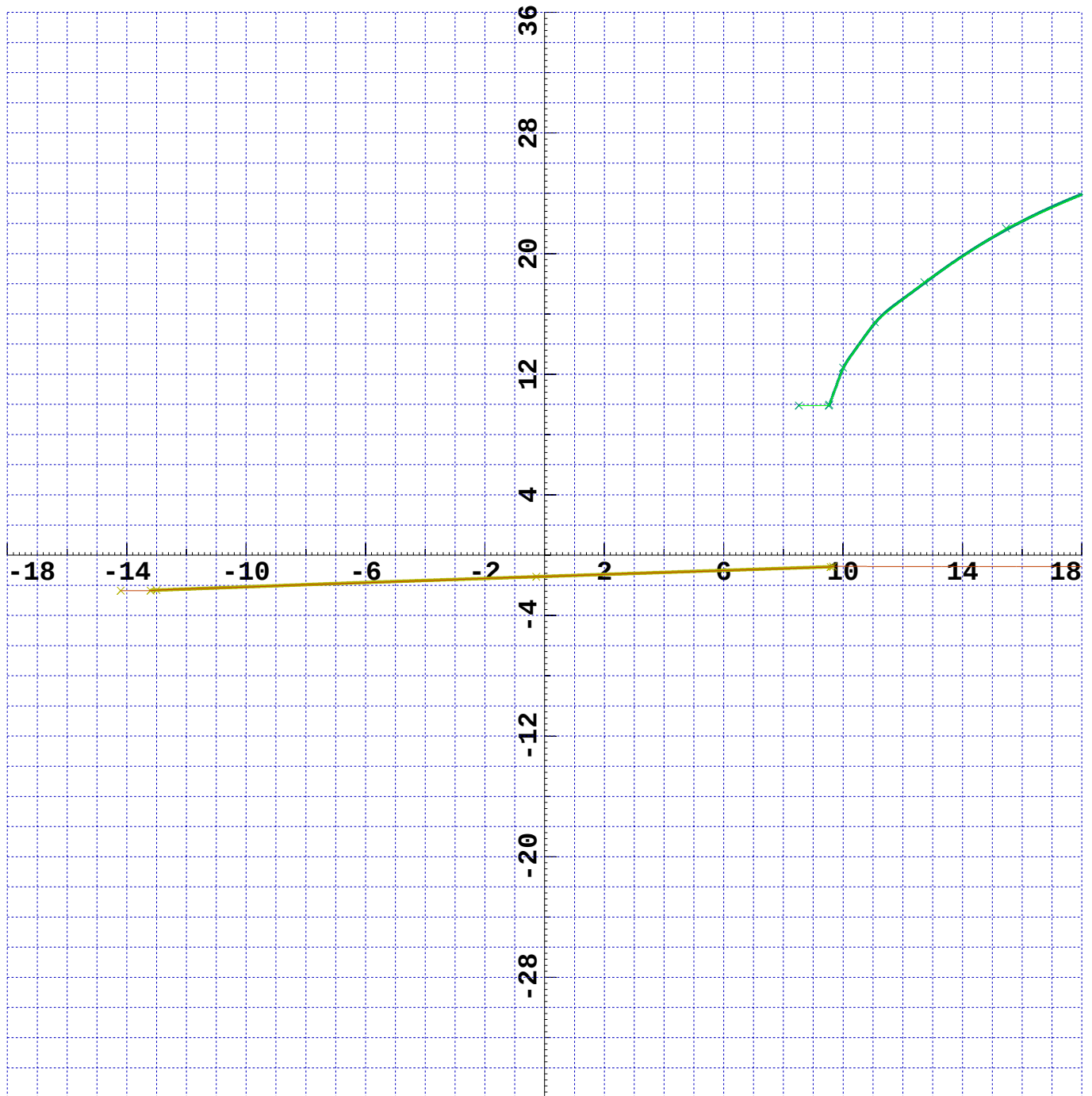
Ident: kpfr_019



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ZWr

Ident: kpfr_019



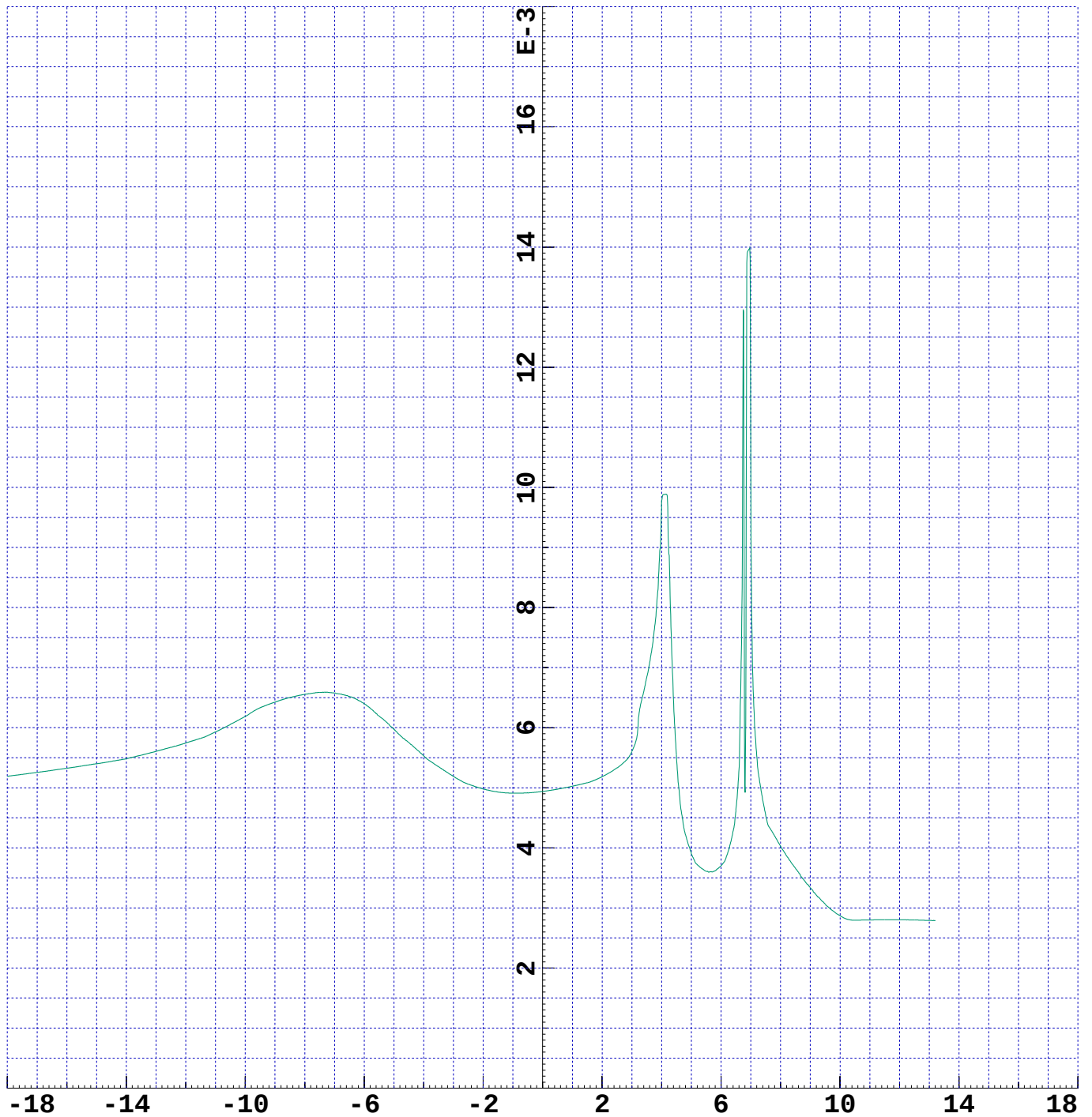
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ZW1

Ident: kpfr_019



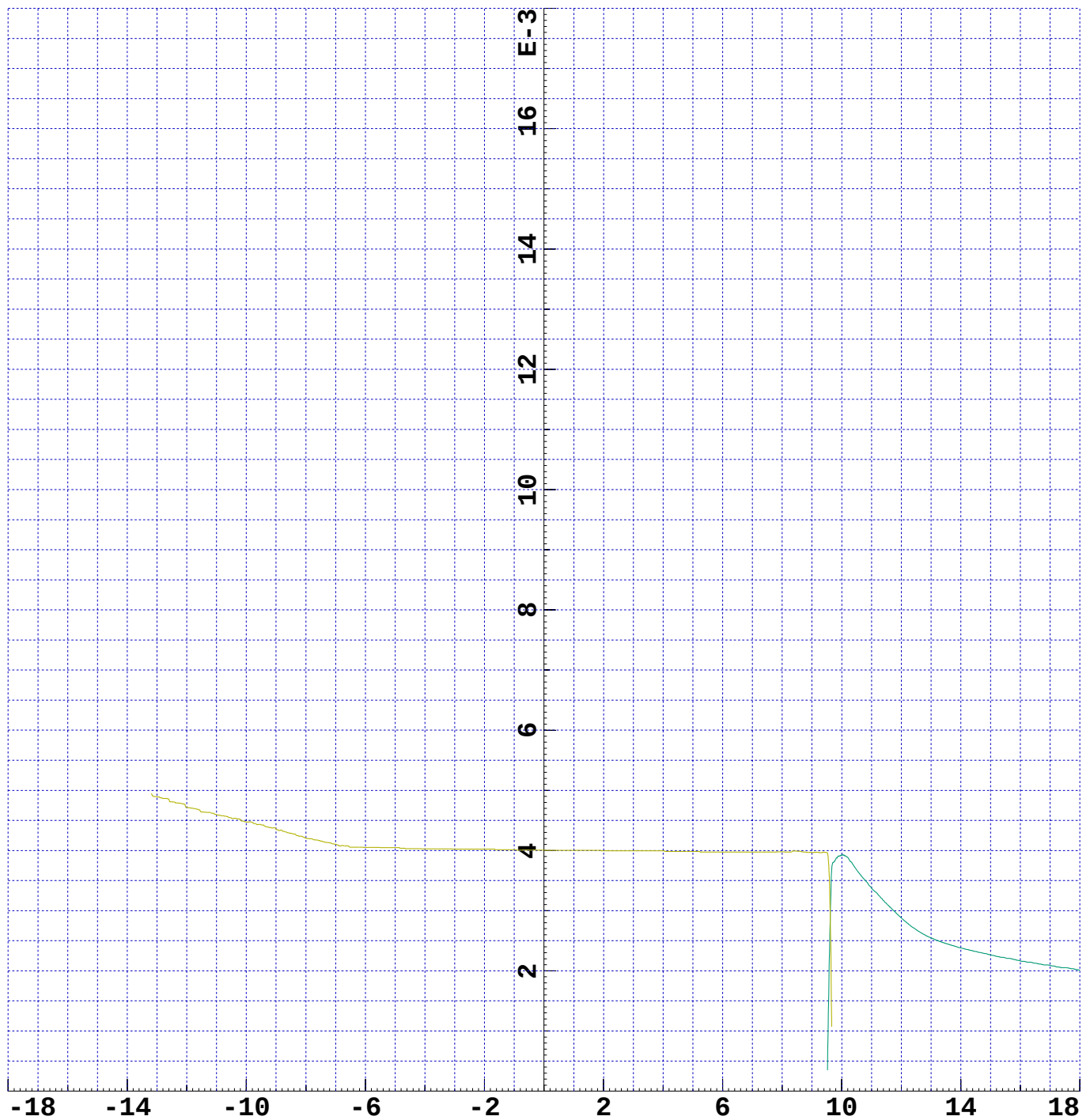




Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

C_r

Ident: kpfr_019



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

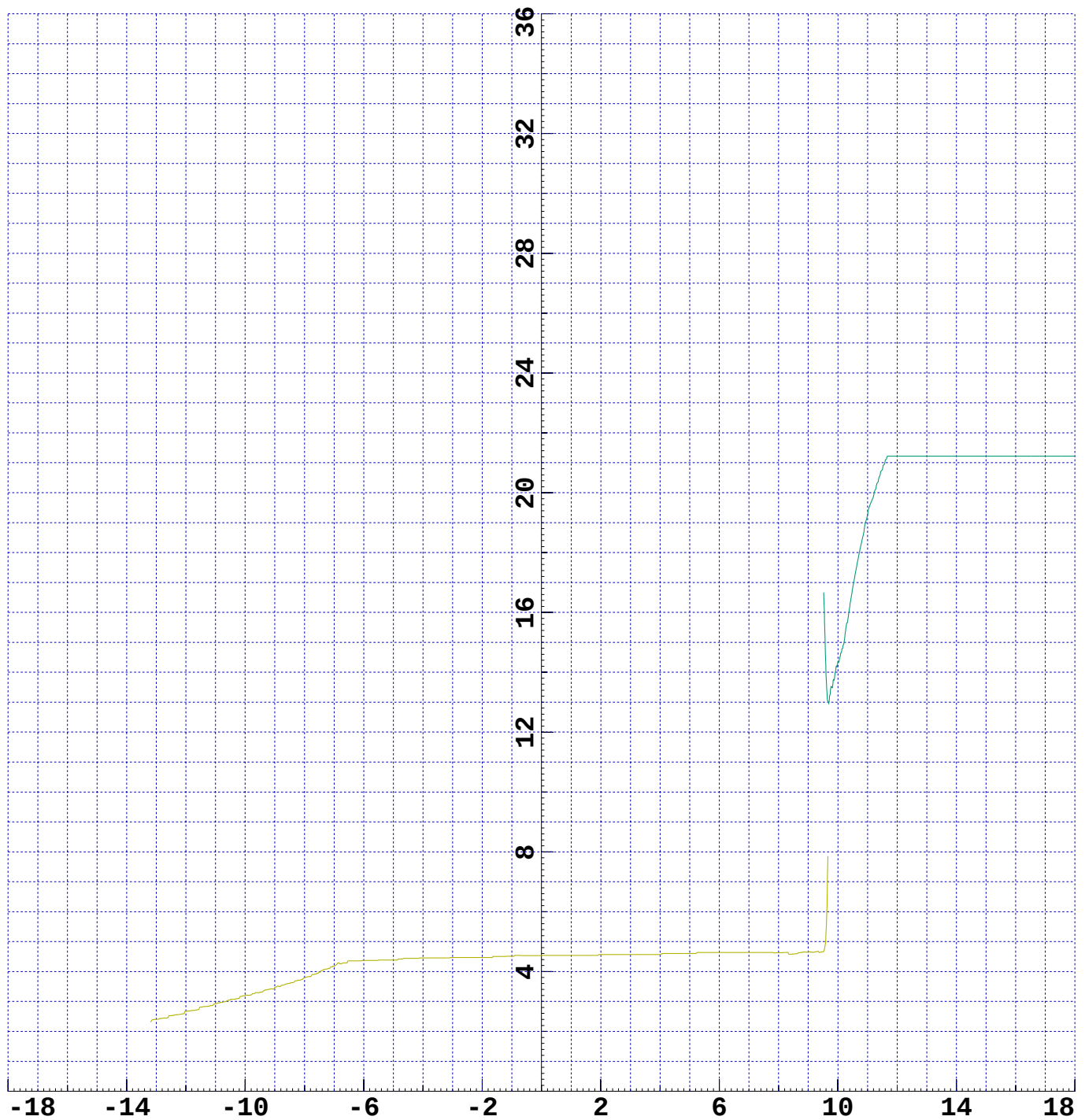
C_1

Ident: kpfr_019

Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail A/B_r
Wprof_lat_shift= 0 Gauge= 1425-1441

A/B_r

Ident: kpfr_019



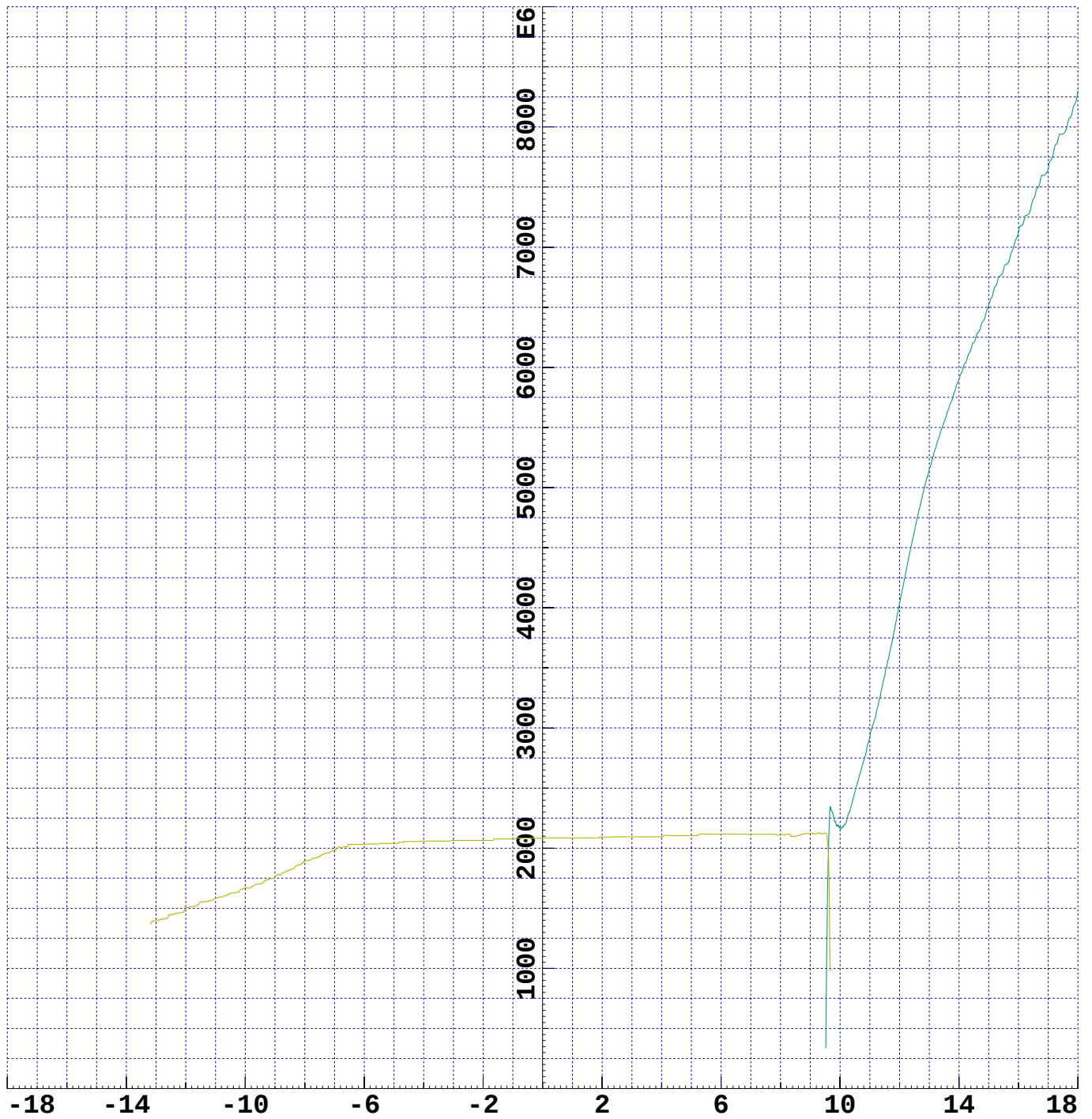
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel A/B_1
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_019



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **SIGMAR**
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_019



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **SIGMA1**
Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_019

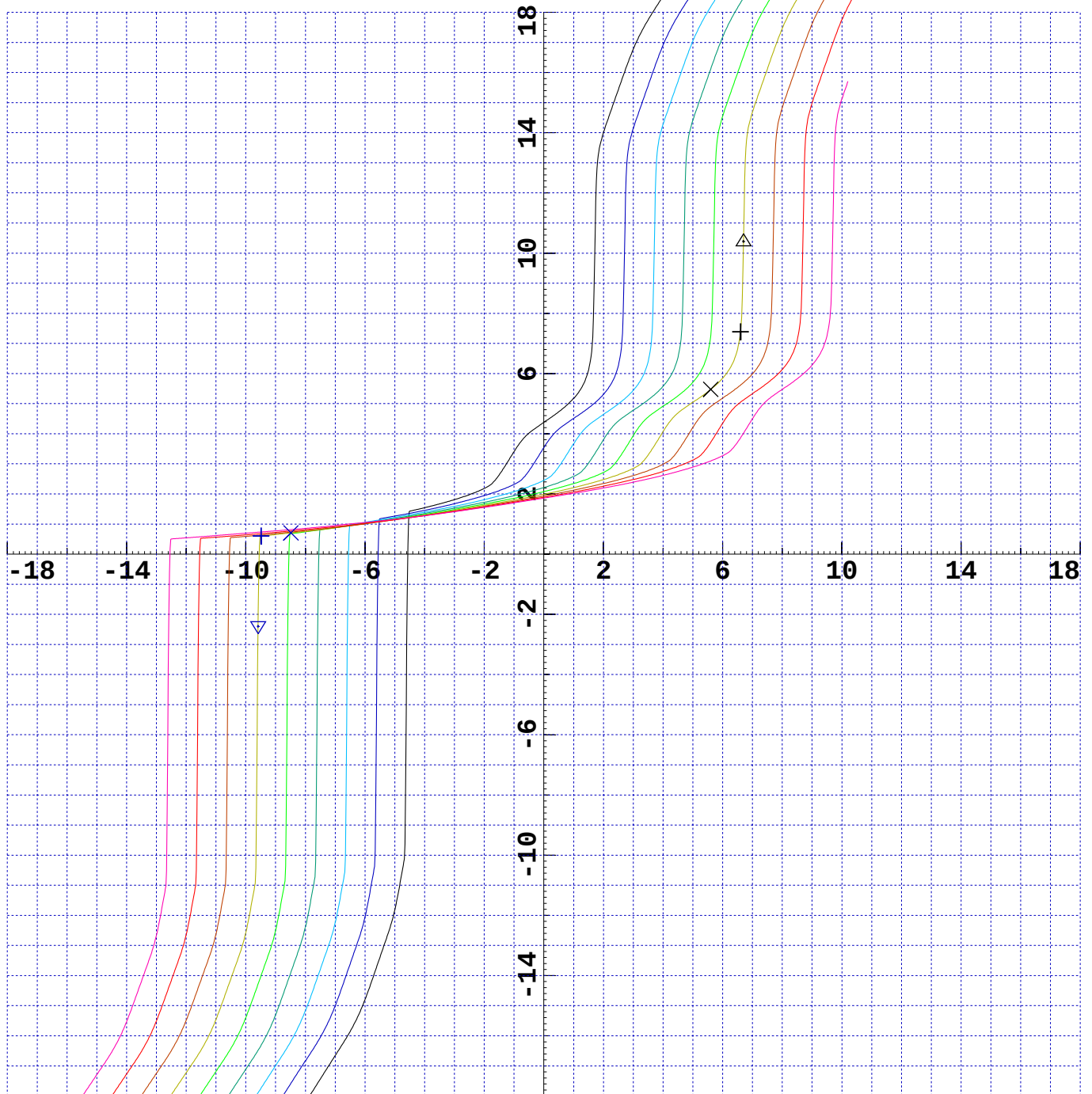
Gauge= 1425 —
 1427 —
 1429 —
 1431 —
 1433 —
 1435 —
 1437 —
 1439 —
 1441 —

Radial Steering Index

× = $\Delta r_E = 5.47$ left curve
 × = $\Delta r_E = 0.70$ right curve
 + = $A0r = 6.60$ 7.39
 + = $A0l = -9.49$.61

possibility of
rolling without
slip

discontinuity
point



Δ = 0.1mm right of +discontinuity
 ∇ = 0.1mm left of -discontinuity

Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
 Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail rr-rl
 Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_019

GENSYS-KPF.1308

Delta_Y=

.1

.5

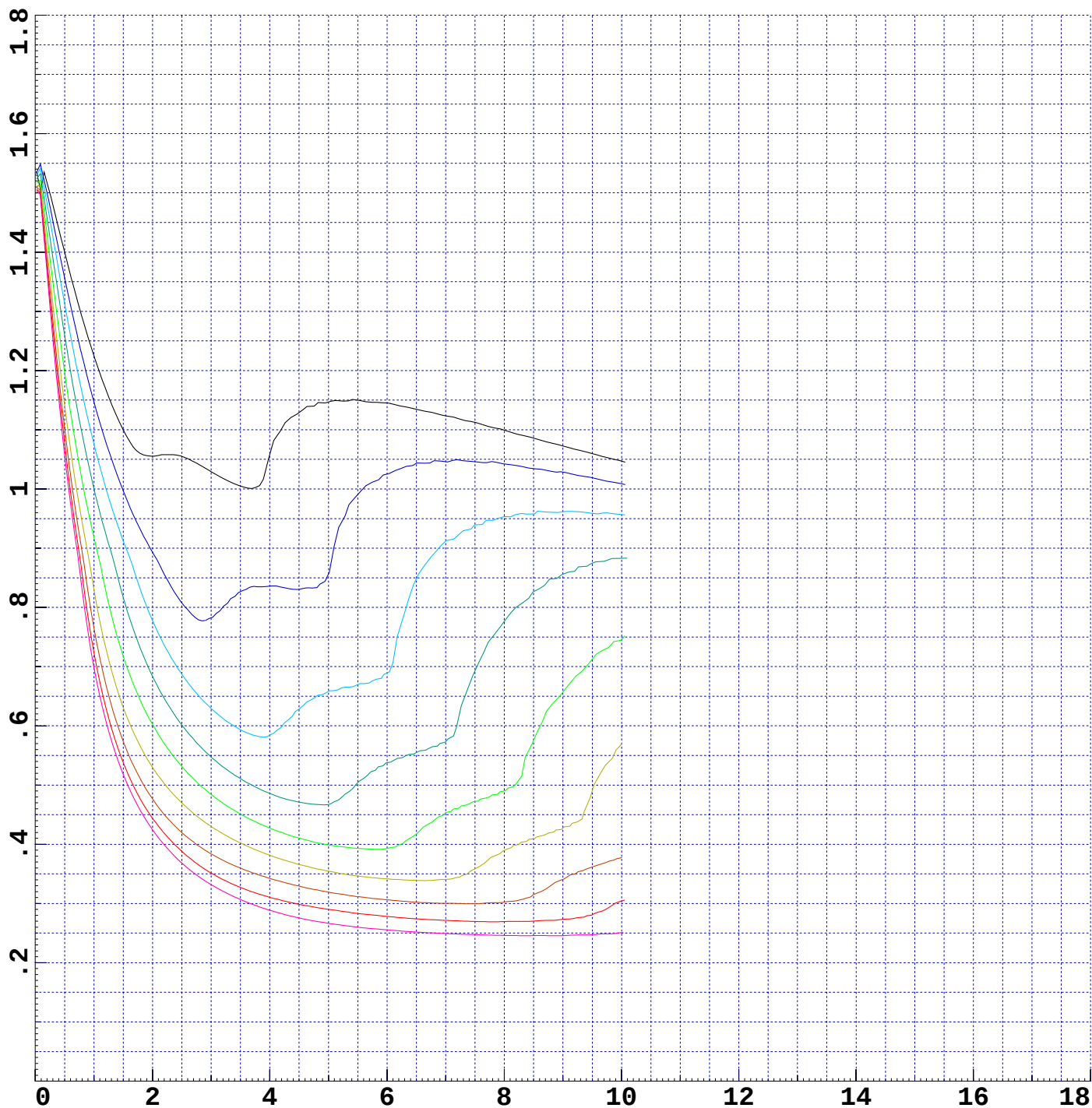
2

3

4

6

Gauge=	1425	—	1.510	1.400	1.055	1.029	1.059	1.145
	1427	—	1.543	1.357	.893	.783	.836	1.025
	1429	—	1.535	1.312	.777	.629	.584	.689
	1431	—	1.523	1.260	.683	.547	.486	.538
	1433	—	1.509	1.197	.602	.484	.427	.393
	1435	—	1.498	1.142	.530	.430	.381	.341
	1437	—	1.489	1.101	.476	.384	.343	.306
	1439	—	1.483	1.076	.444	.351	.310	.278
	1441	—	1.478	1.058	.424	.332	.288	.255



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel

Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail

wprof_lat_shift= 0 Gauge= 1425-1441

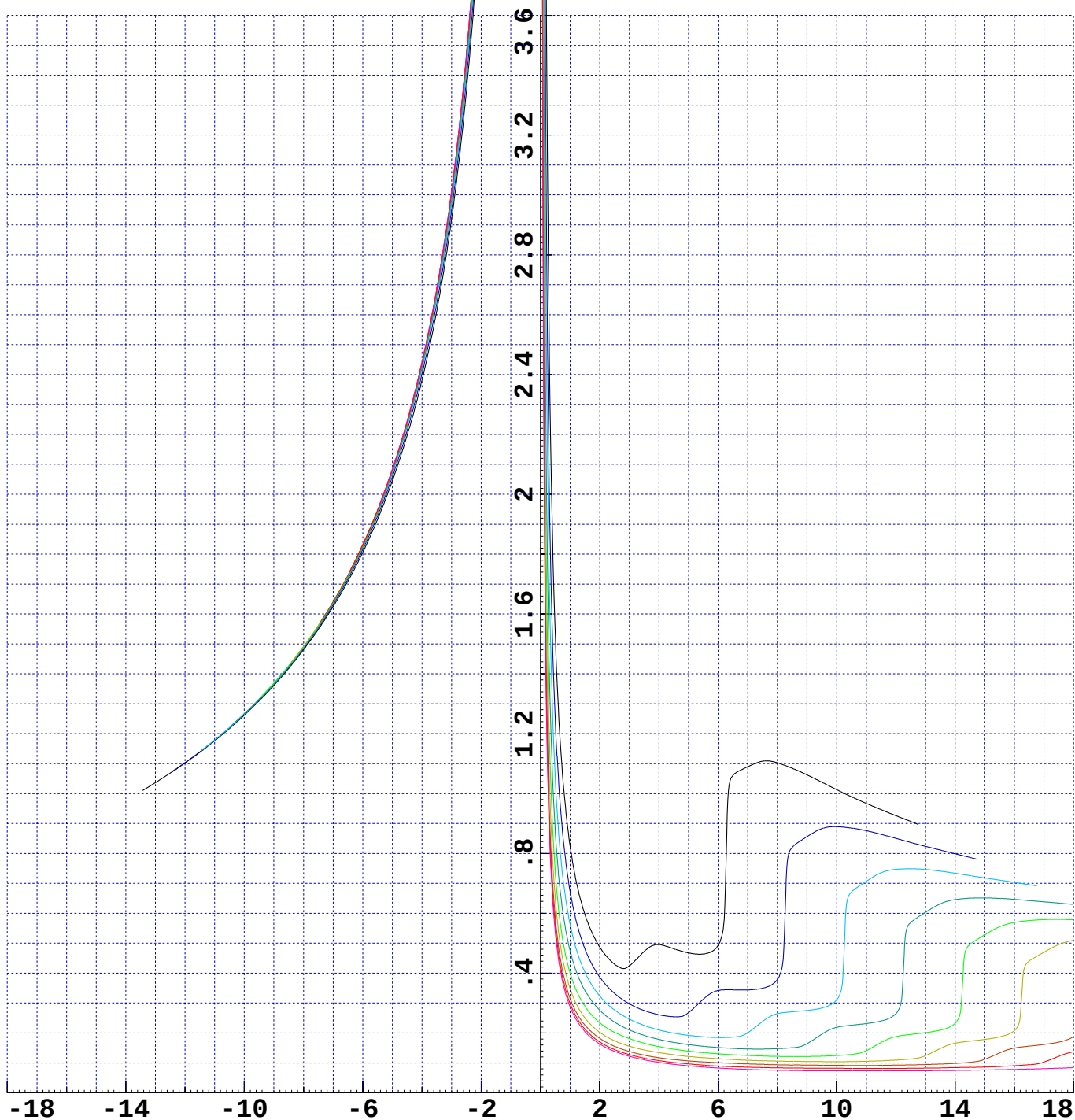
UIC519

Ident: kpfr_019

GENSYS-KPF.1308

Delta_Y=

		.1	.5	2	3	4	6
Gauge=	1425	7.248	1.529	.488	.424	.495	.493
	1427	5.918	1.251	.387	.298	.261	.342
	1429	4.963	1.049	.324	.246	.210	.185
	1431	4.148	.879	.276	.210	.179	.151
	1433	3.478	.737	.235	.181	.155	.130
	1435	3.073	.646	.202	.156	.134	.114
	1437	2.812	.590	.182	.138	.118	.101
	1439	2.675	.560	.170	.128	.108	.090
	1441	2.566	.538	.163	.122	.102	.083



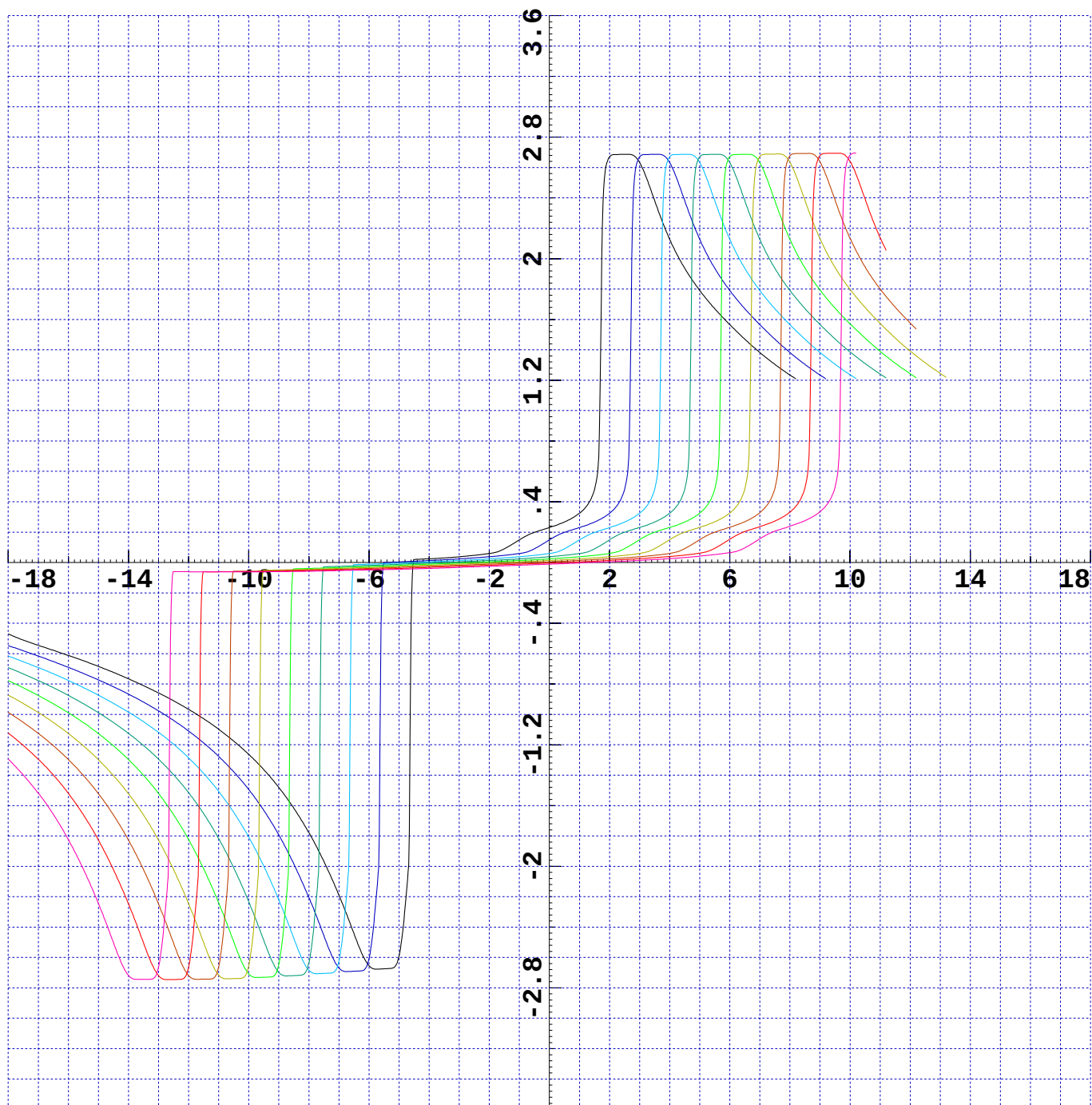
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
 Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
 wprof_lat_shift= 0 Gauge= 1425-1441

lambda

Ident: kpfr_019

GENSYS - KPF . 1308

Gauge= 1425 —
 1427 —
 1429 —
 1431 —
 1433 —
 1435 —
 1437 —
 1439 —
 1441 —

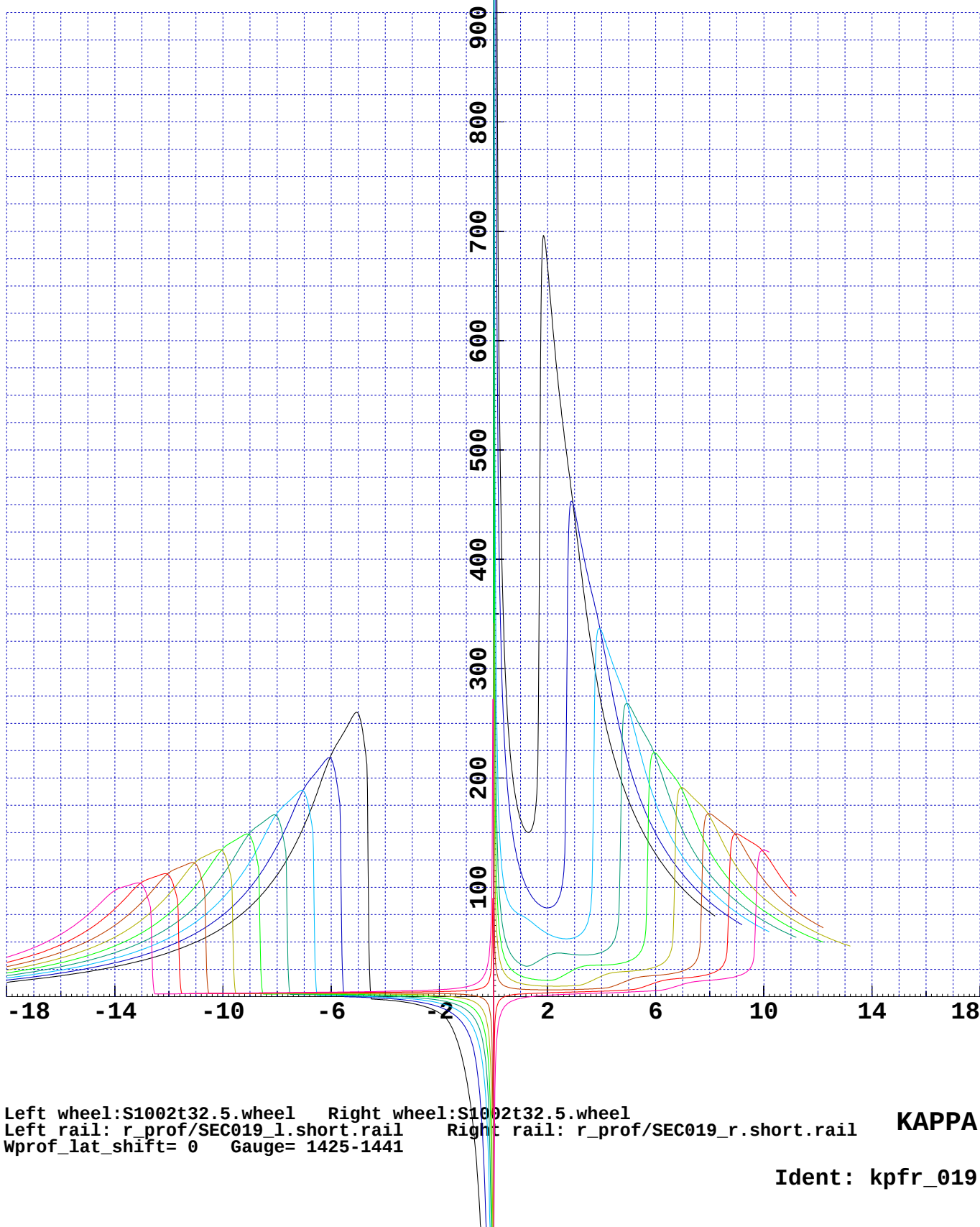


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel tan_Ga
 Left rail: r_prof/SEC019_l.short.rail Right rail: r_prof/SEC019_r.short.rail
 wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_019

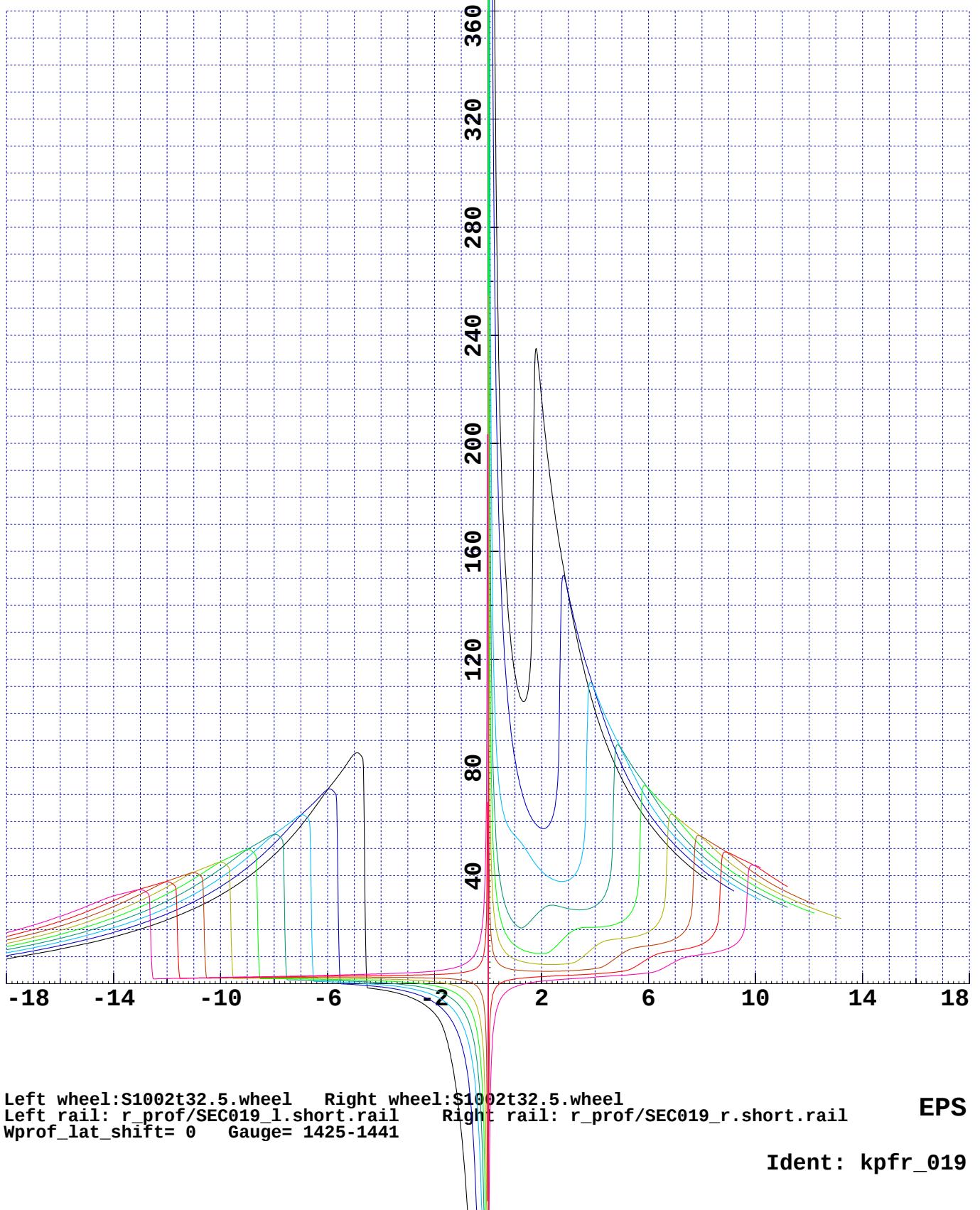
GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	1182.83	266.40	667.74	438.59	265.84	130.47
1427	—	806.09	198.83	81.13	445.19	328.97	149.23
1429	—	314.52	90.52	57.61	54.12	333.92	177.26
1431	—	198.97	47.33	37.41	38.44	40.62	219.35
1433	—	127.26	30.72	14.99	24.97	28.86	222.66
1435	—	72.32	18.65	9.62	10.03	18.76	27.14
1437	—	26.70	8.90	6.16	6.46	7.57	19.36
1439	—	-13.31	.53	3.48	4.17	4.91	12.78
1441	—	-49.99	-7.02	1.27	2.40	3.26	5.44



GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	854.71	191.27	216.55	143.79	101.01	59.72
1427	—	590.75	144.75	57.46	144.39	107.86	63.22
1429	—	233.62	67.02	41.69	38.33	108.31	67.37
1431	—	148.13	35.21	27.47	27.82	28.77	71.93
1433	—	94.86	22.89	11.14	18.34	20.88	72.24
1435	—	53.95	13.91	7.17	7.45	13.78	19.23
1437	—	19.93	6.65	4.59	4.81	5.63	14.01
1439	—	-9.94	.39	2.60	3.11	3.65	9.39
1441	—	-37.36	-5.25	.95	1.79	2.43	4.04



EPS

Ident: kpfr_019

GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	15.89	3.39	1.35	1.54	1.58	1.49
1427	—	14.36	3.05	.96	.93	1.18	1.30
1429	—	13.61	2.82	.87	.67	.72	1.08
1431	—	13.26	2.74	.79	.60	.52	.81
1433	—	13.02	2.69	.76	.55	.47	.50
1435	—	12.86	2.65	.74	.53	.44	.37
1437	—	12.76	2.62	.73	.52	.42	.34
1439	—	12.71	2.61	.72	.51	.41	.30
1441	—	12.71	2.61	.71	.50	.39	.28

