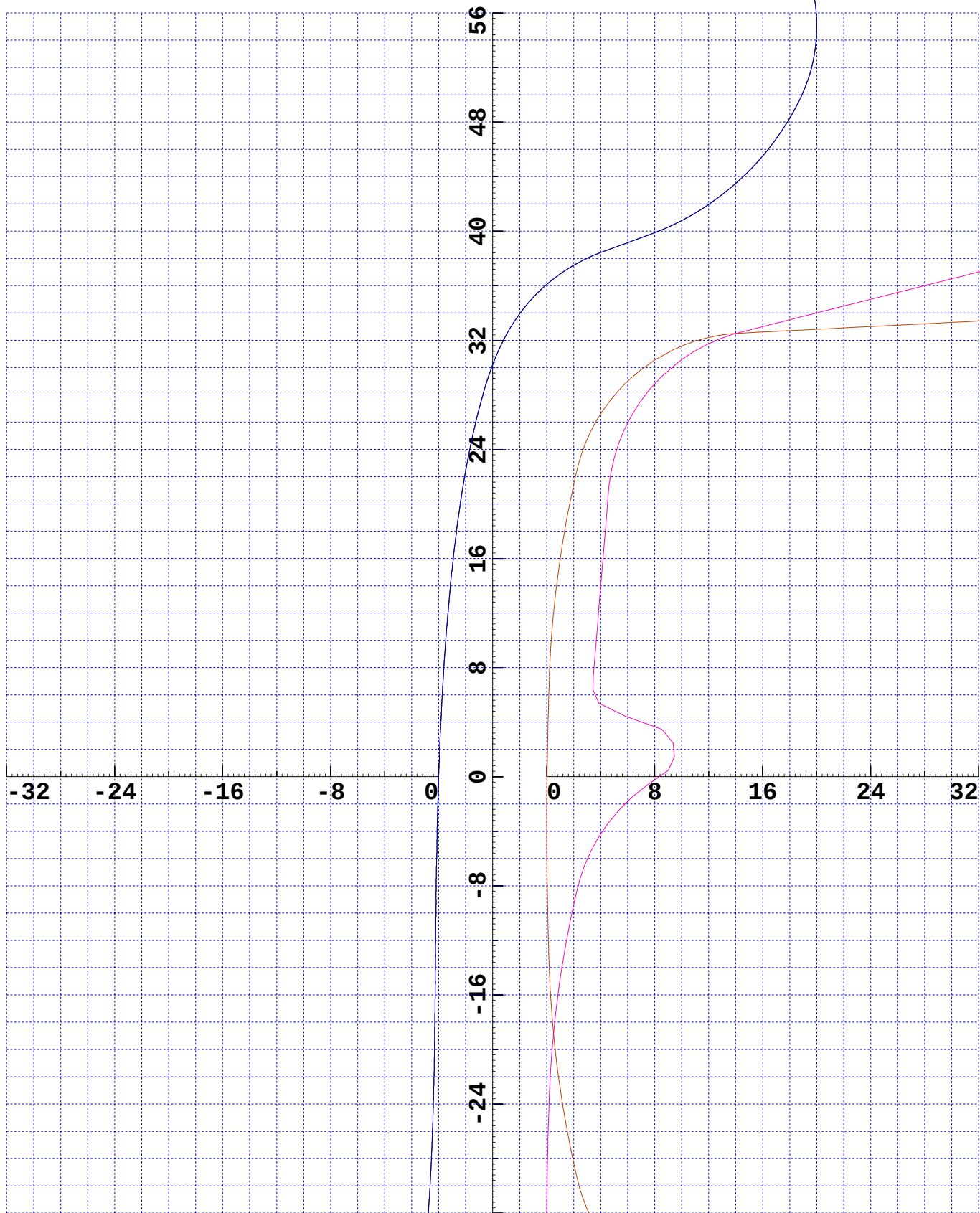
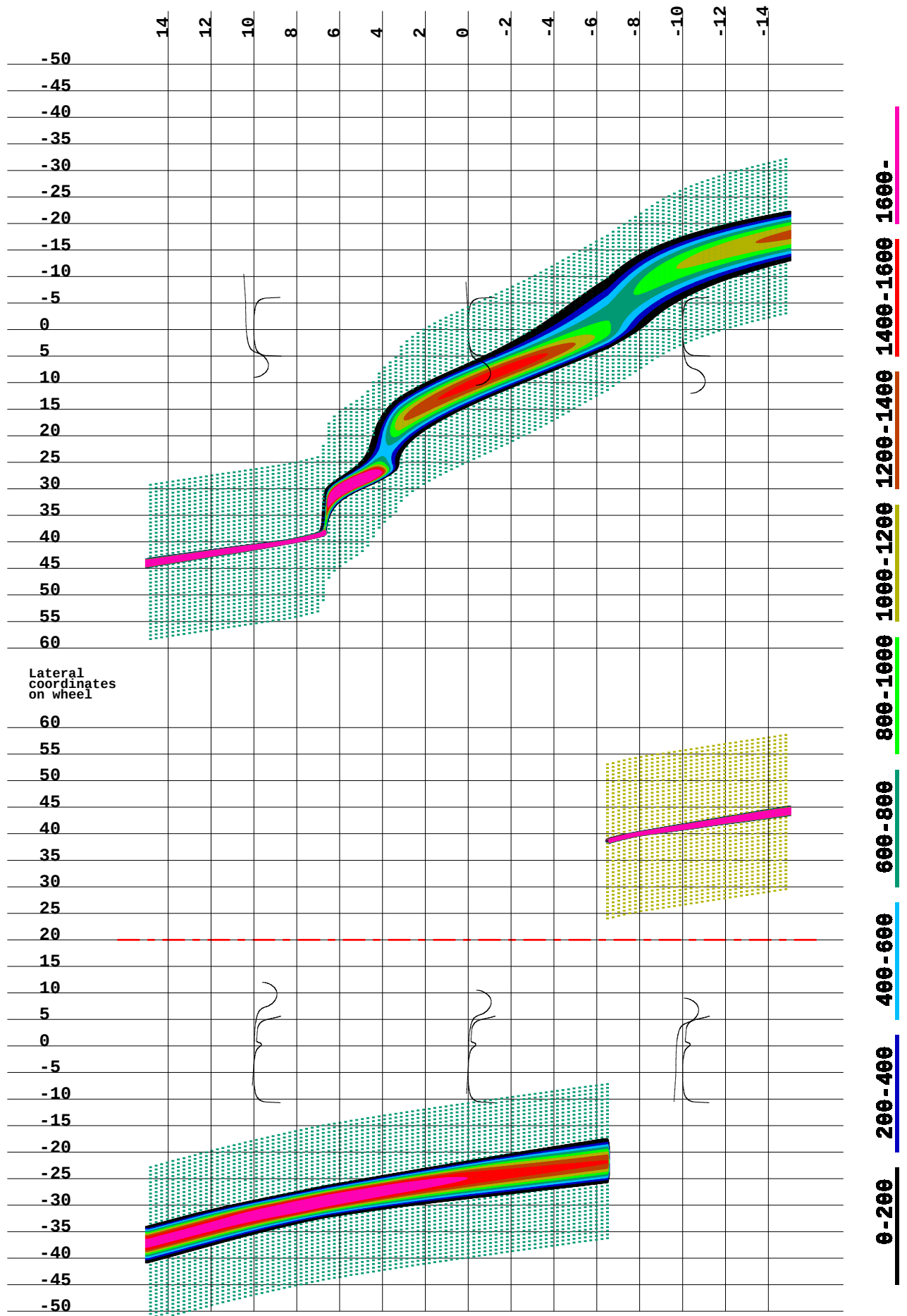


- Right wheel
- Left wheel
- Right rail
- Left rail



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel WRGEOM
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441
Ident: kpfr_007

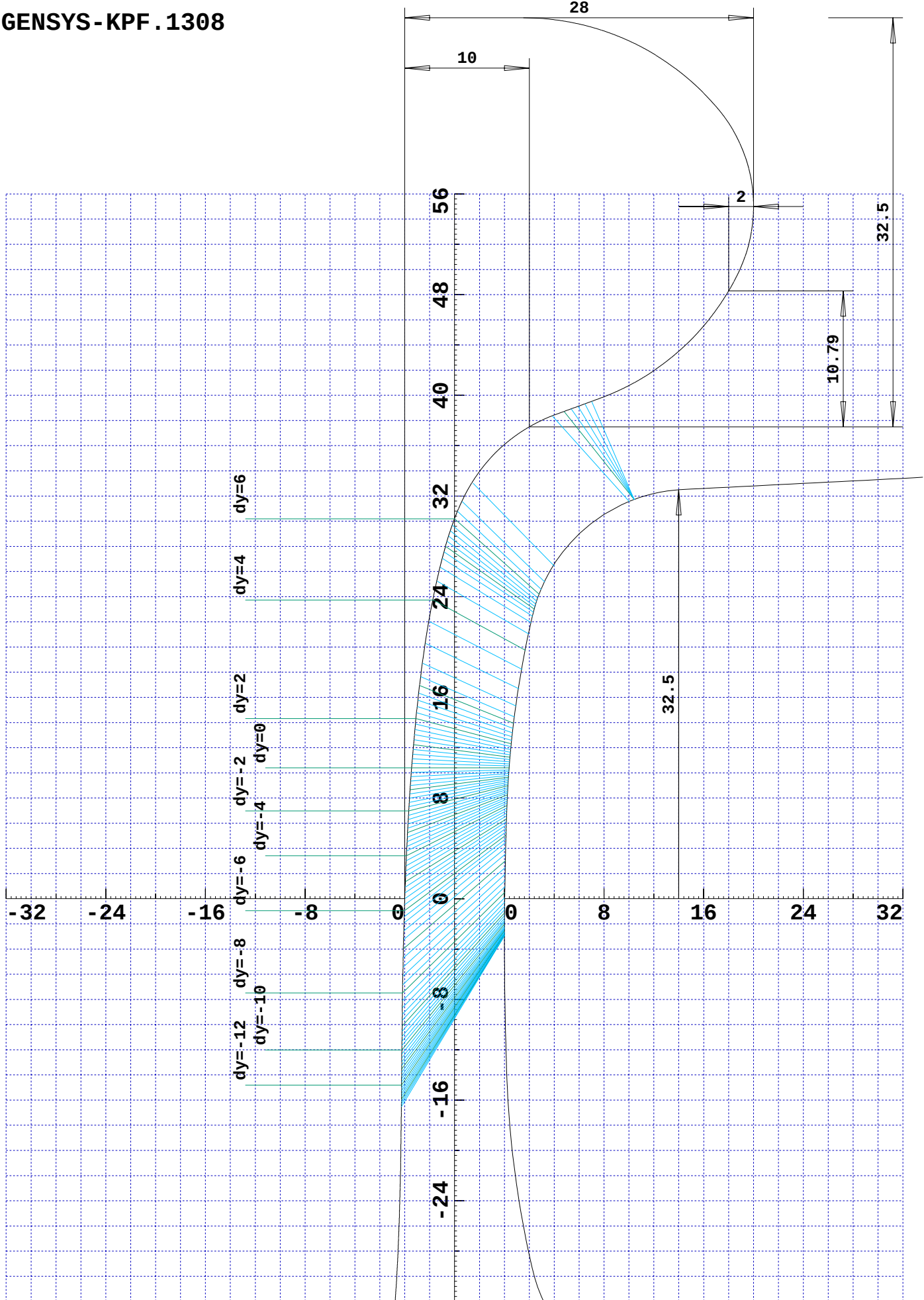


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel

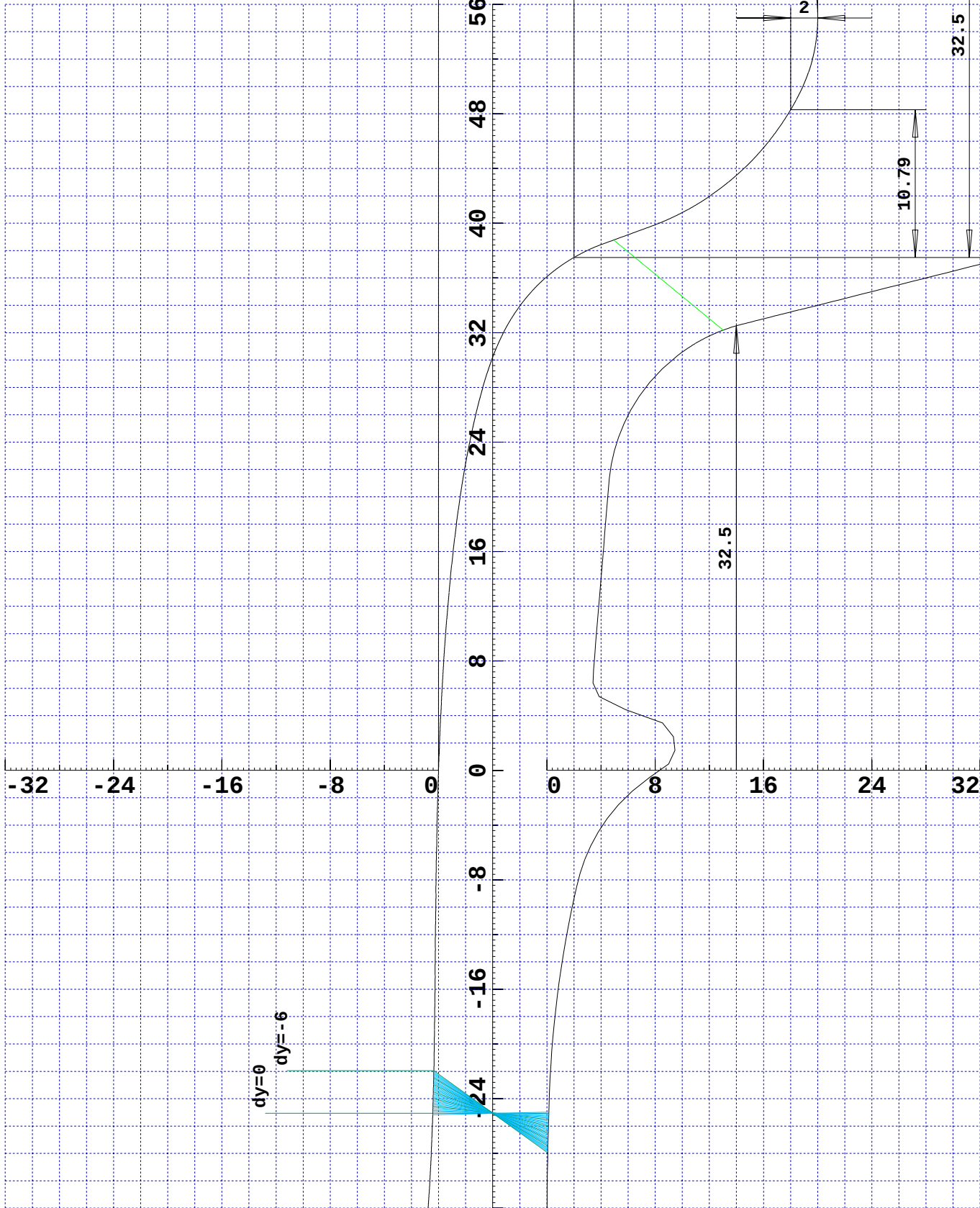
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.sho

Wprof_lat_shift= 0 Gauge= 1425-1441

Contact Pressure

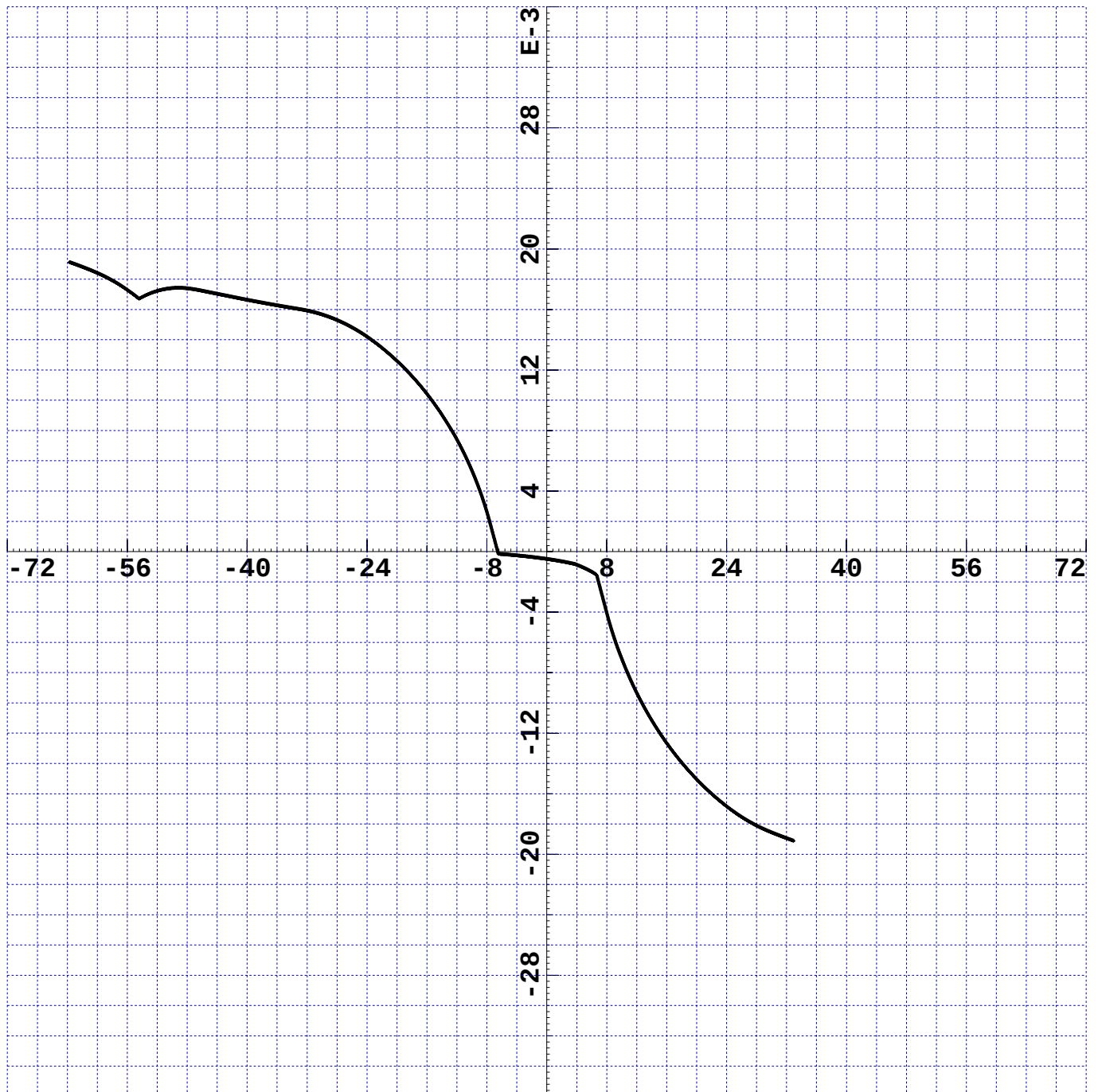
**CONNr**

Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **CONN1**
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

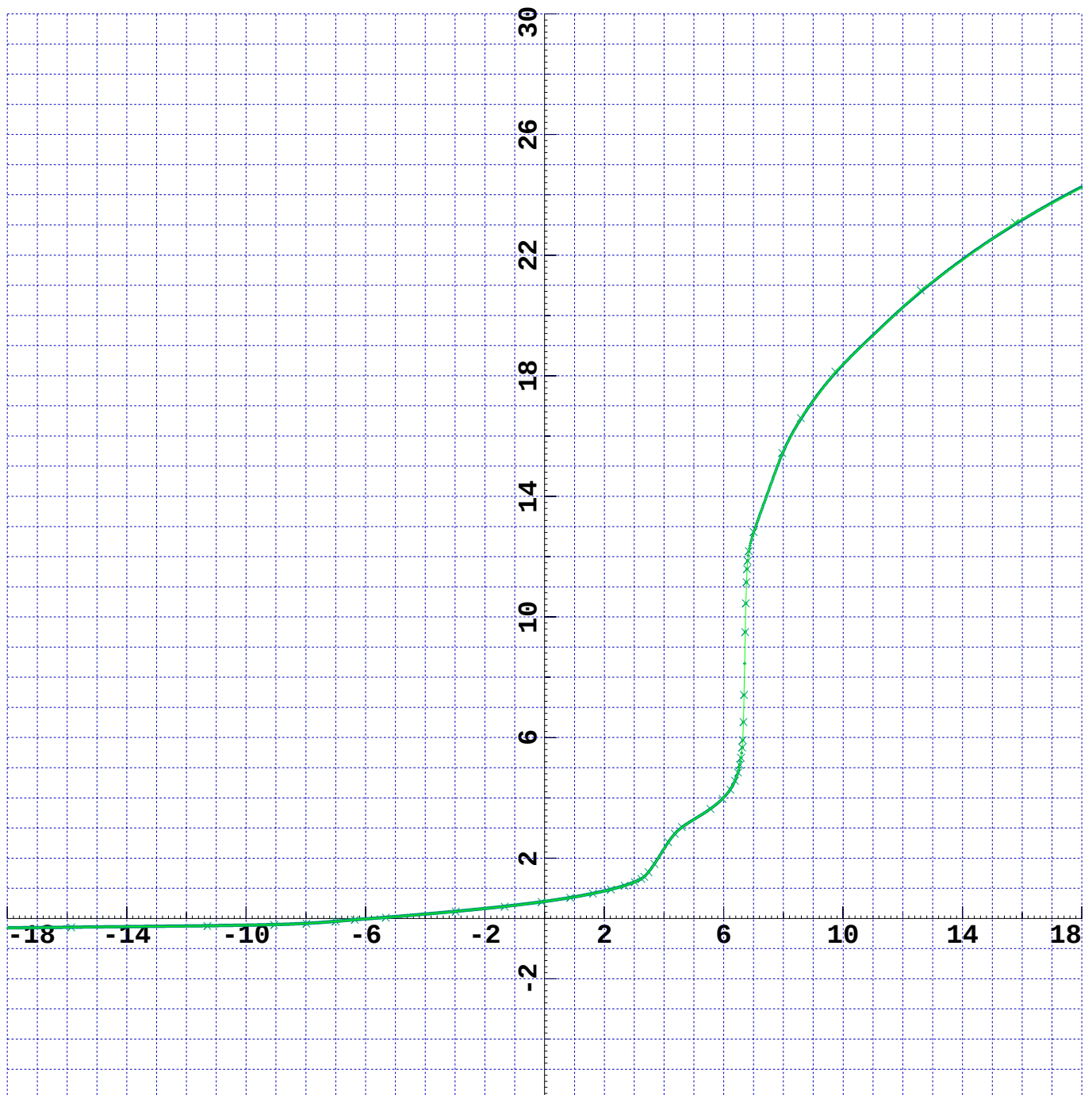
Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Flax1

Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

DRFNr

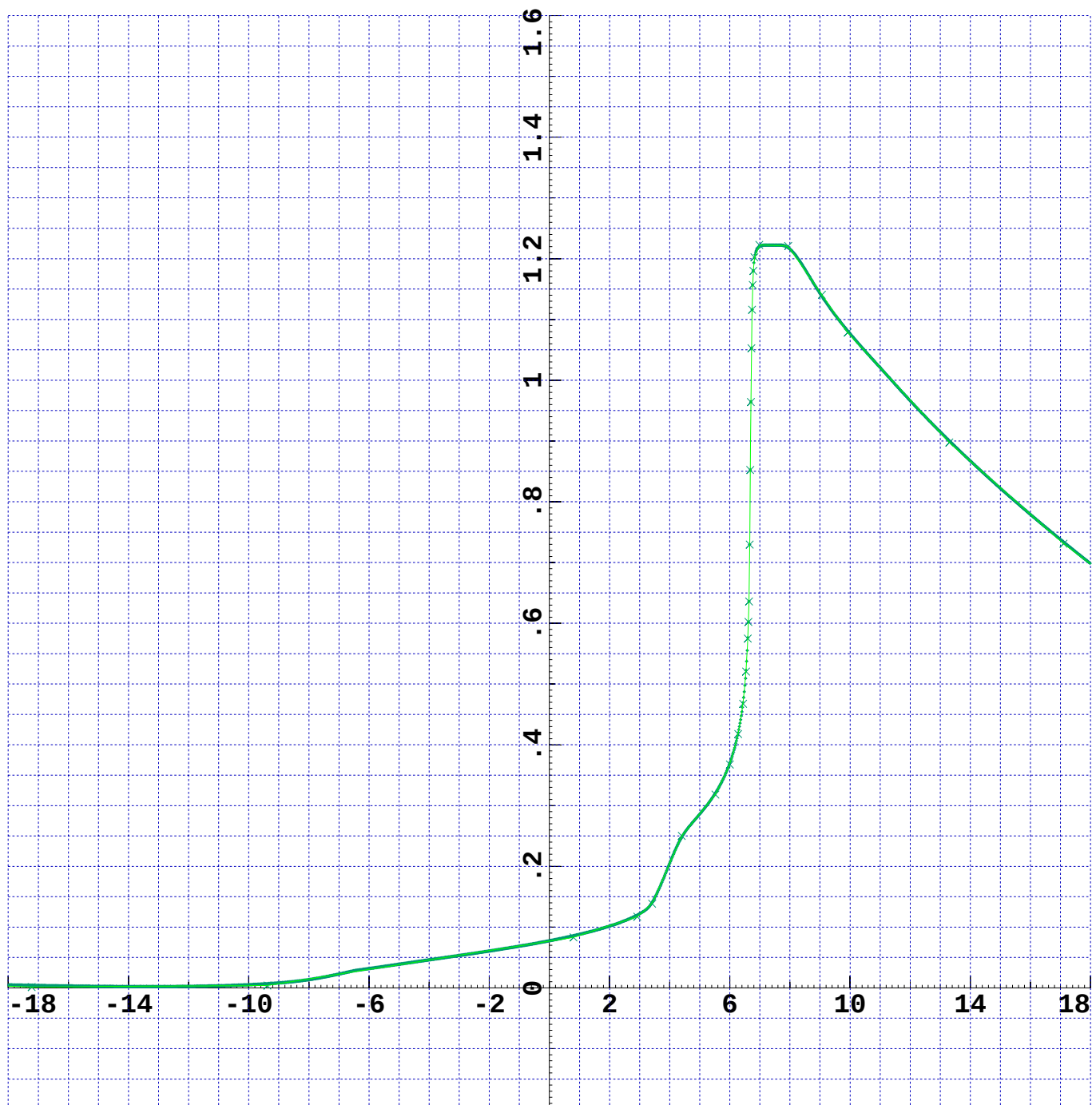
Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

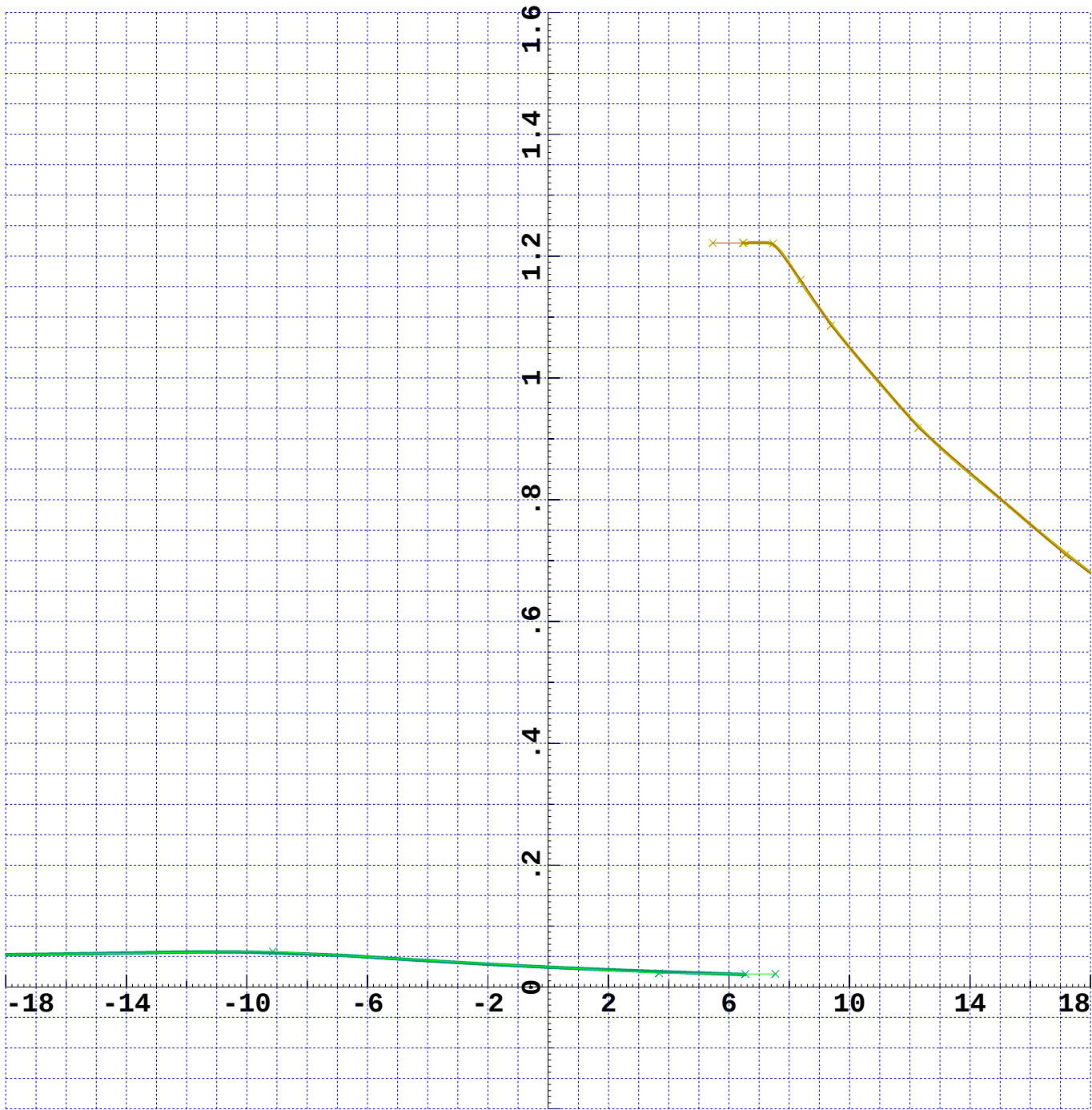
DRFN1

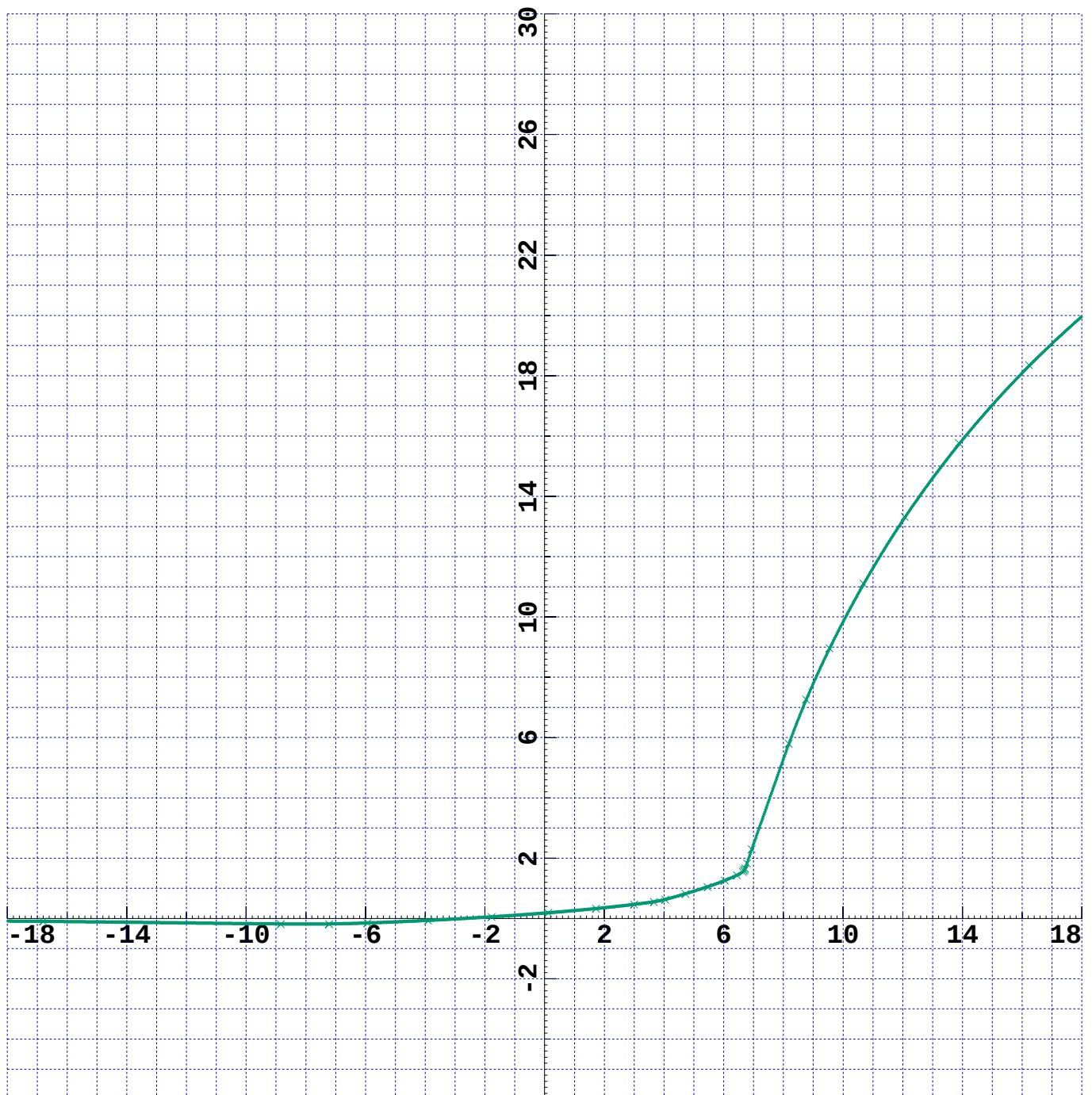
Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel GAMFNR
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_007

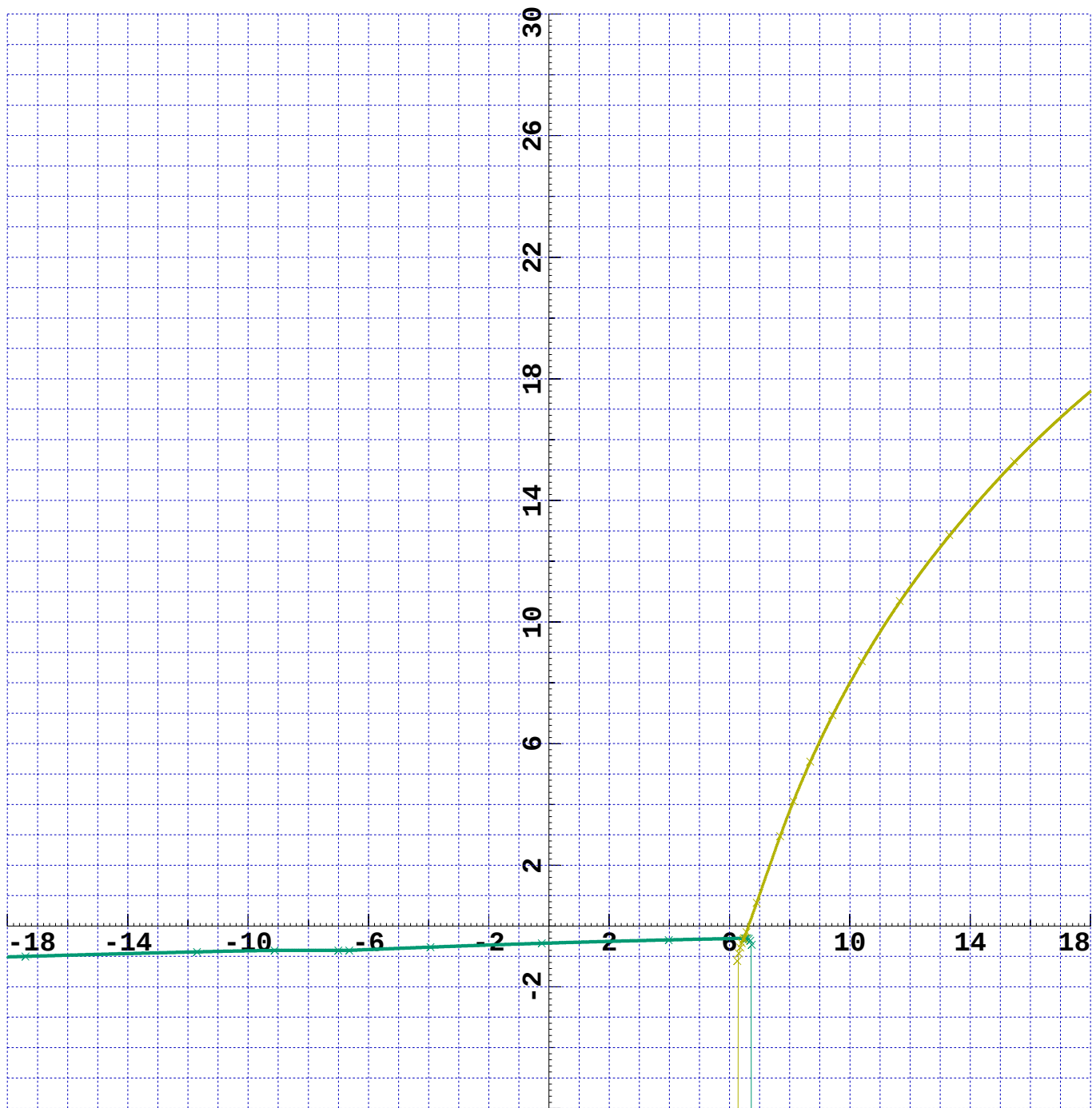




Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

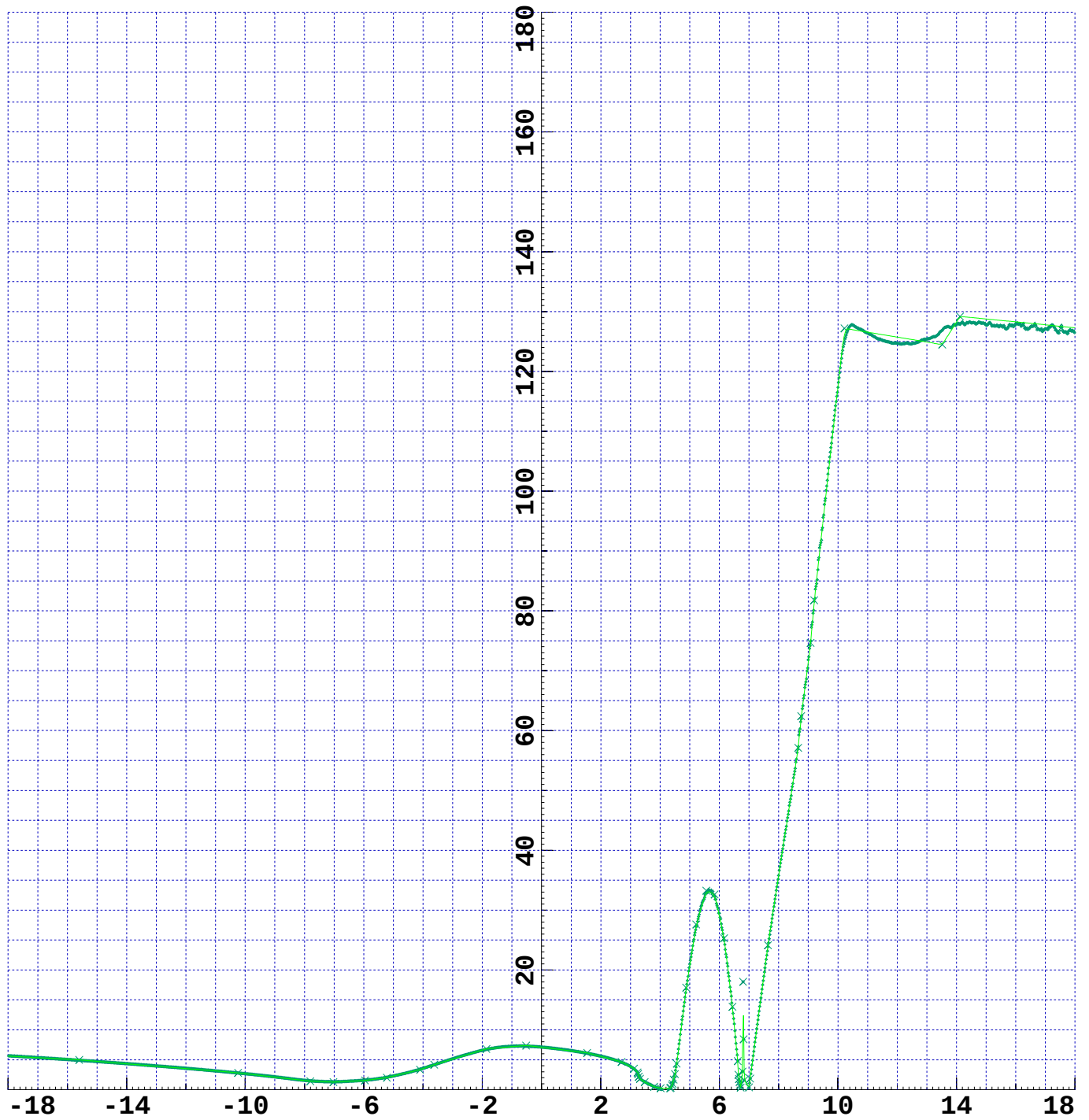
ZFNr

Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel ZFN1
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

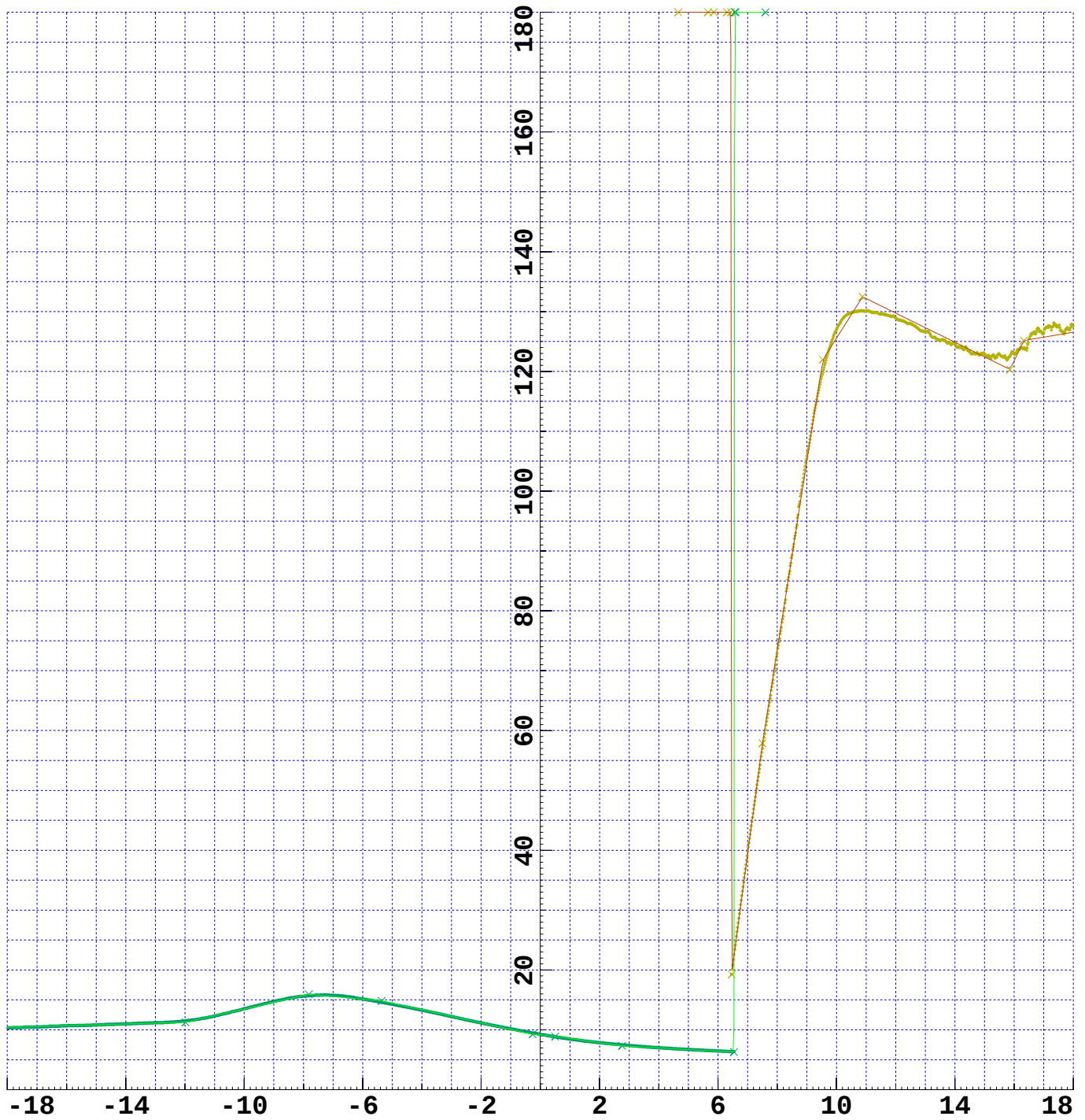
Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ROFNR

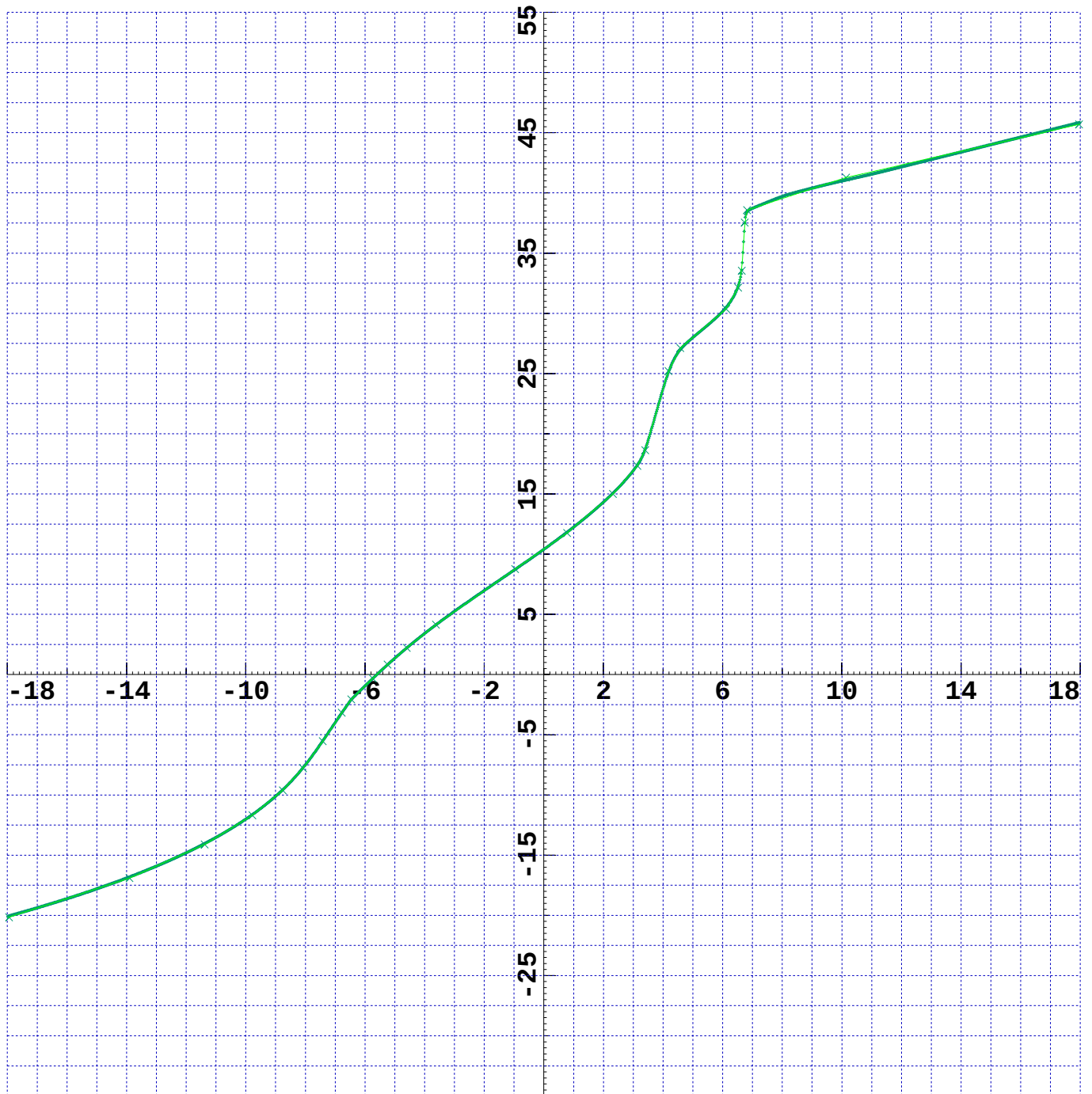
Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ROFN1

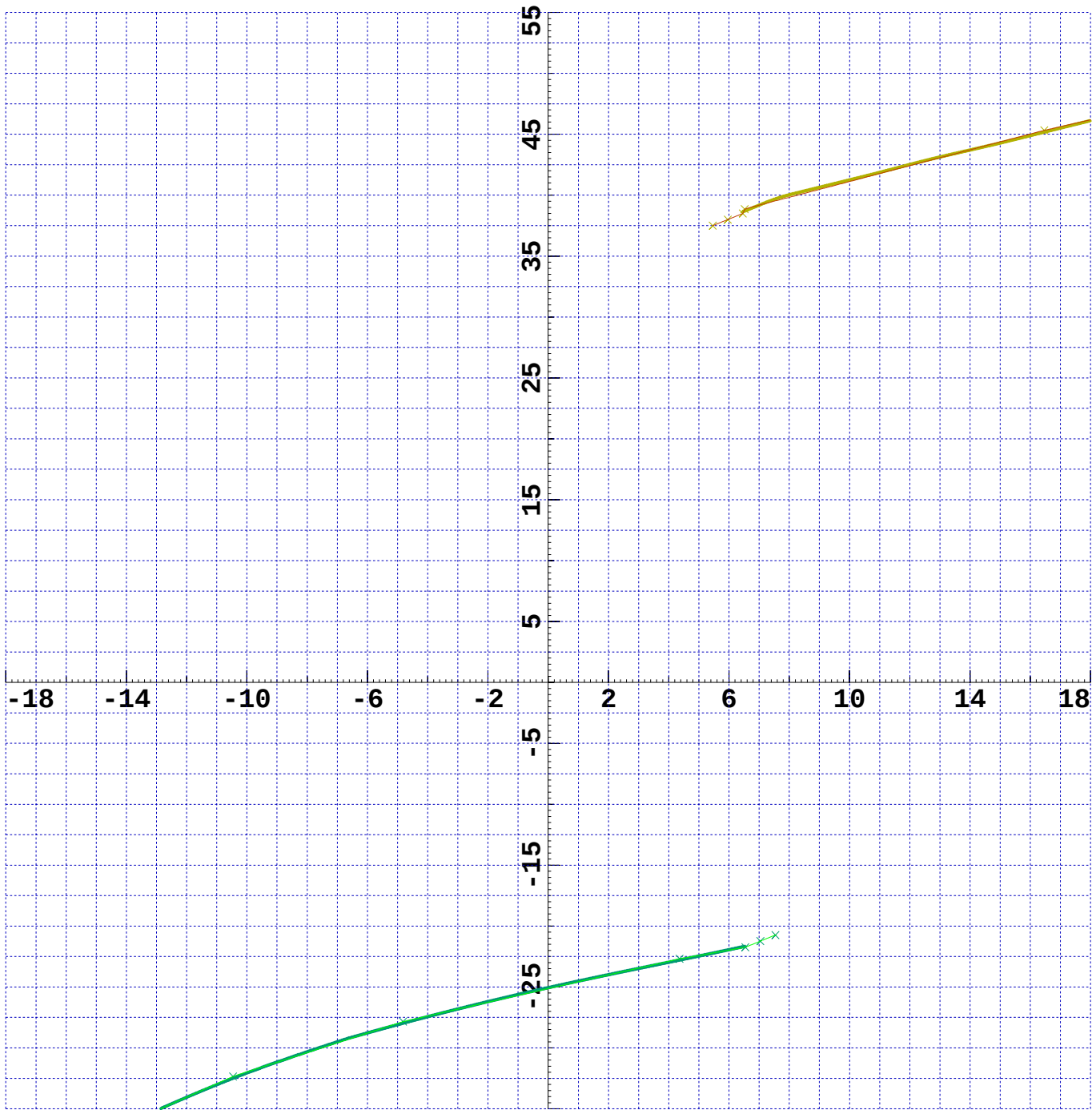
Ident: kpfr_007



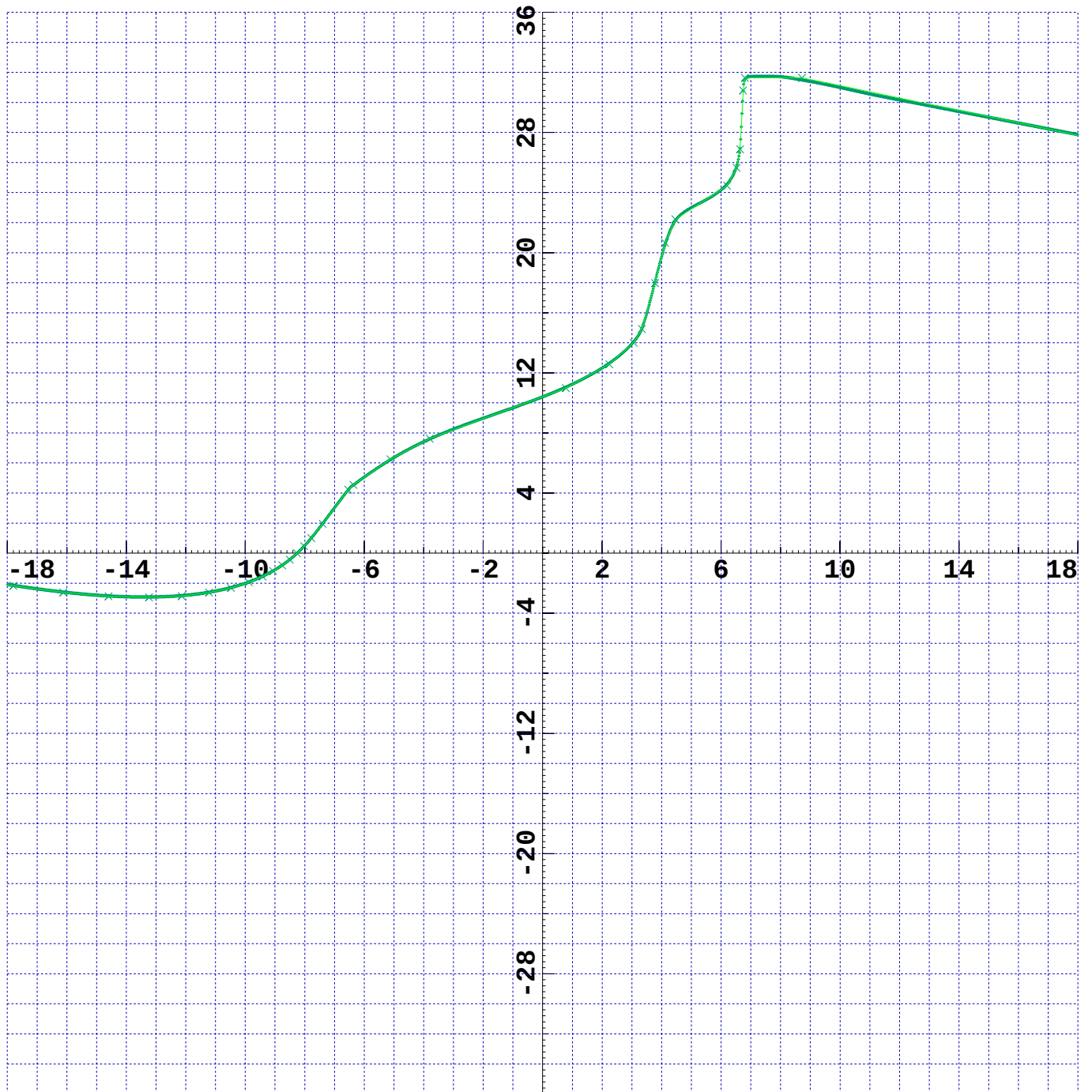
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

POSWr

Ident: kpfr_007



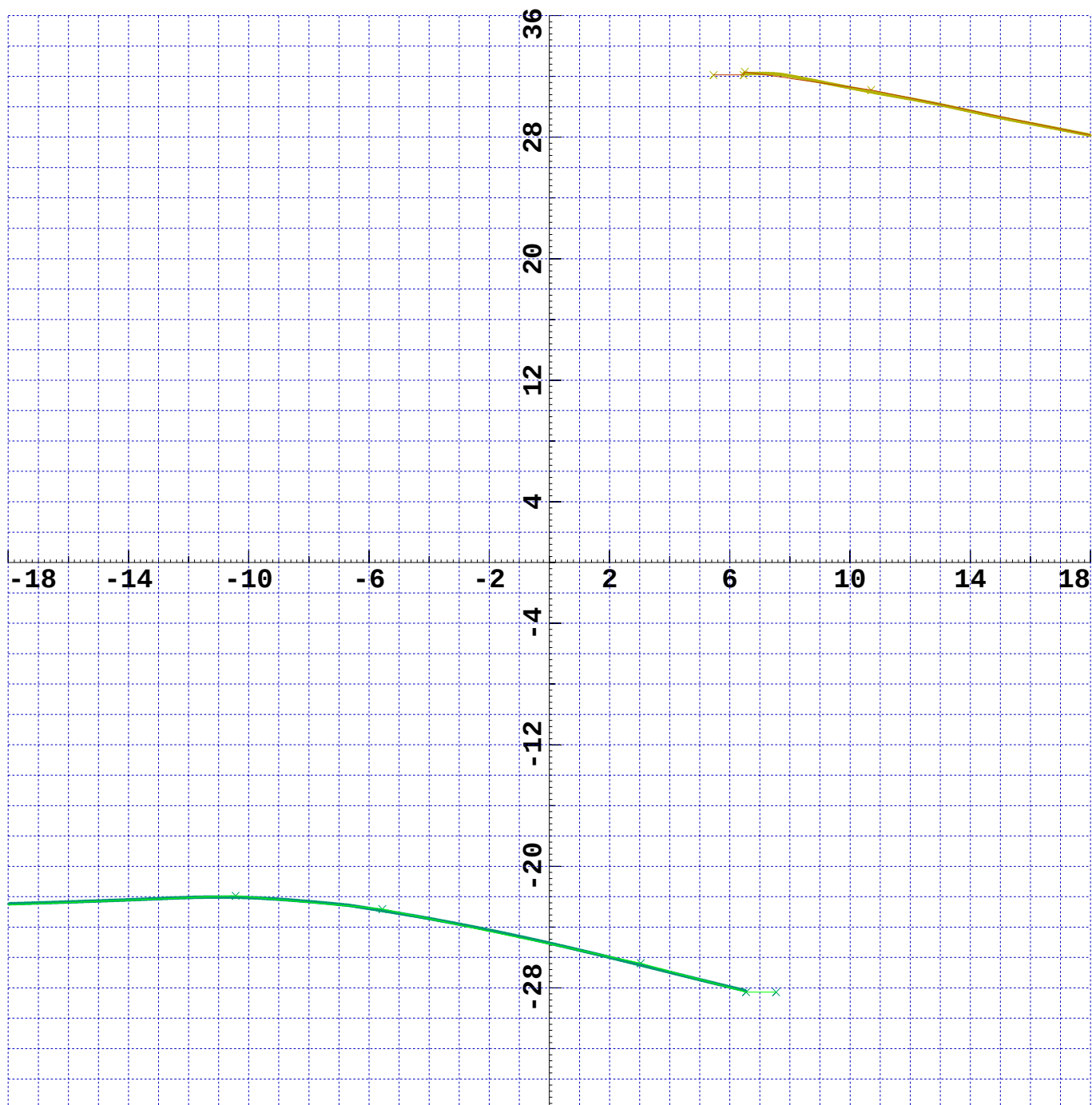
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel POSW1
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441
Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

POSRR

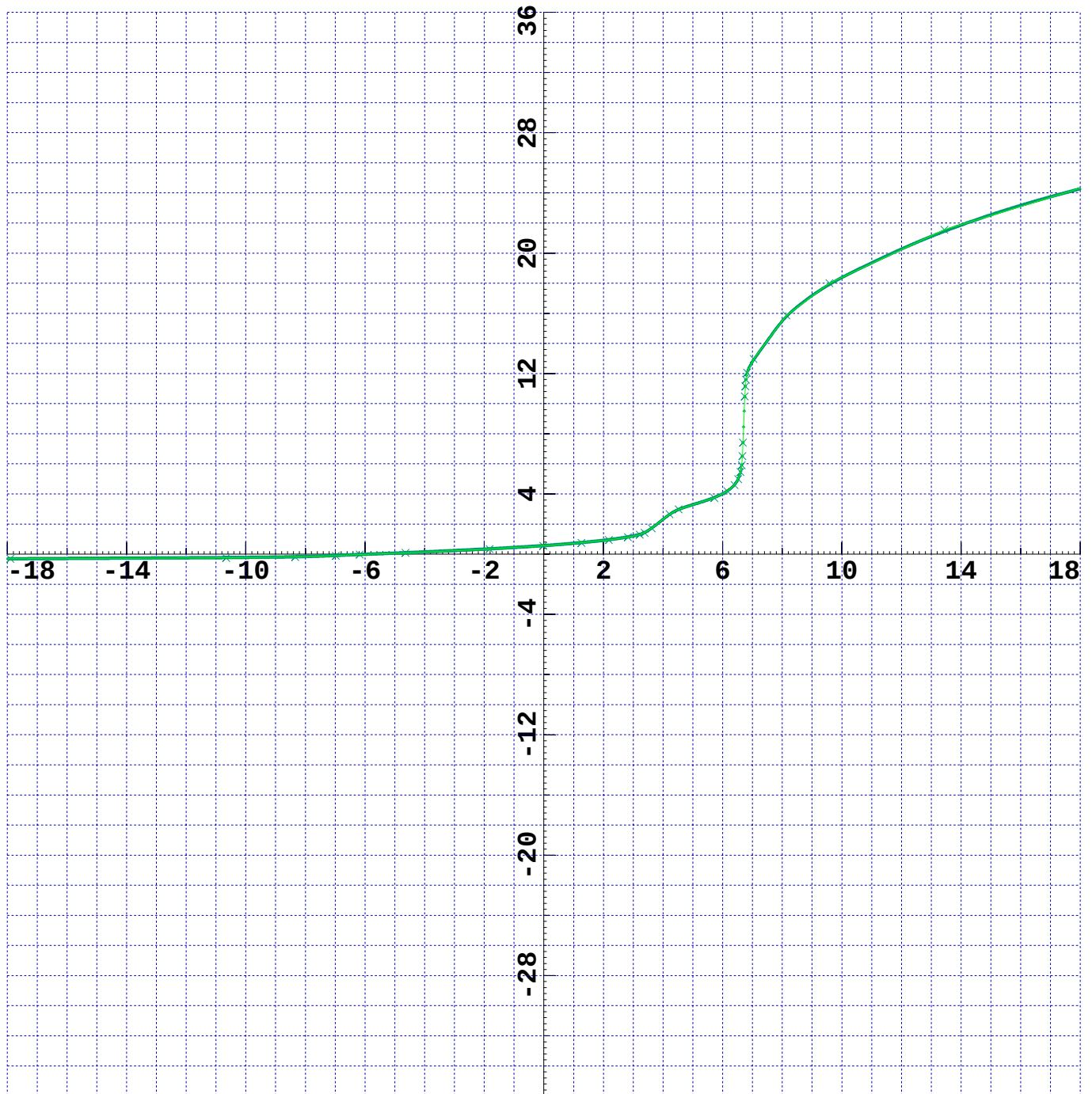
Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

POSR1

Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

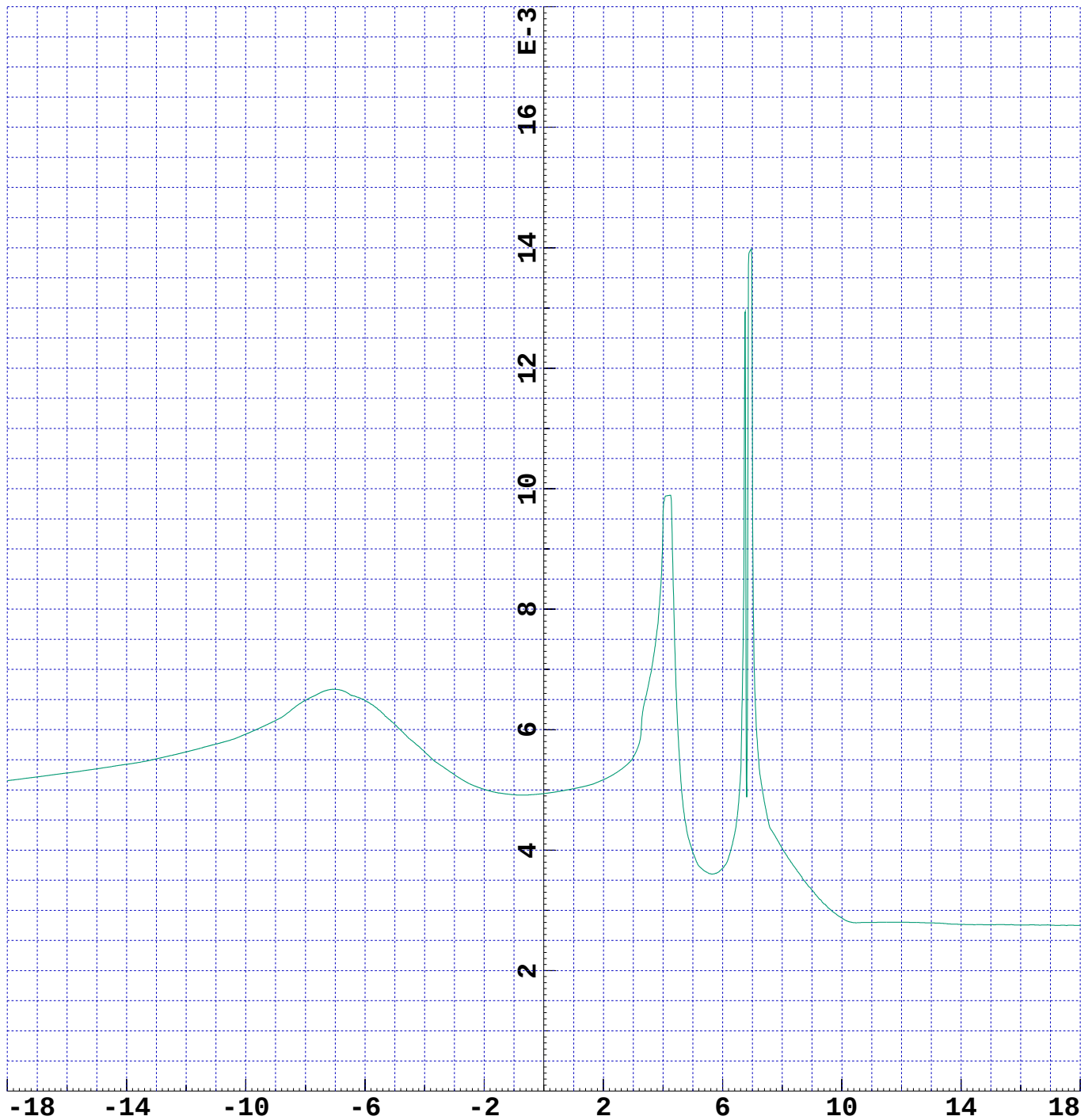
ZWr

Ident: kpfr_007





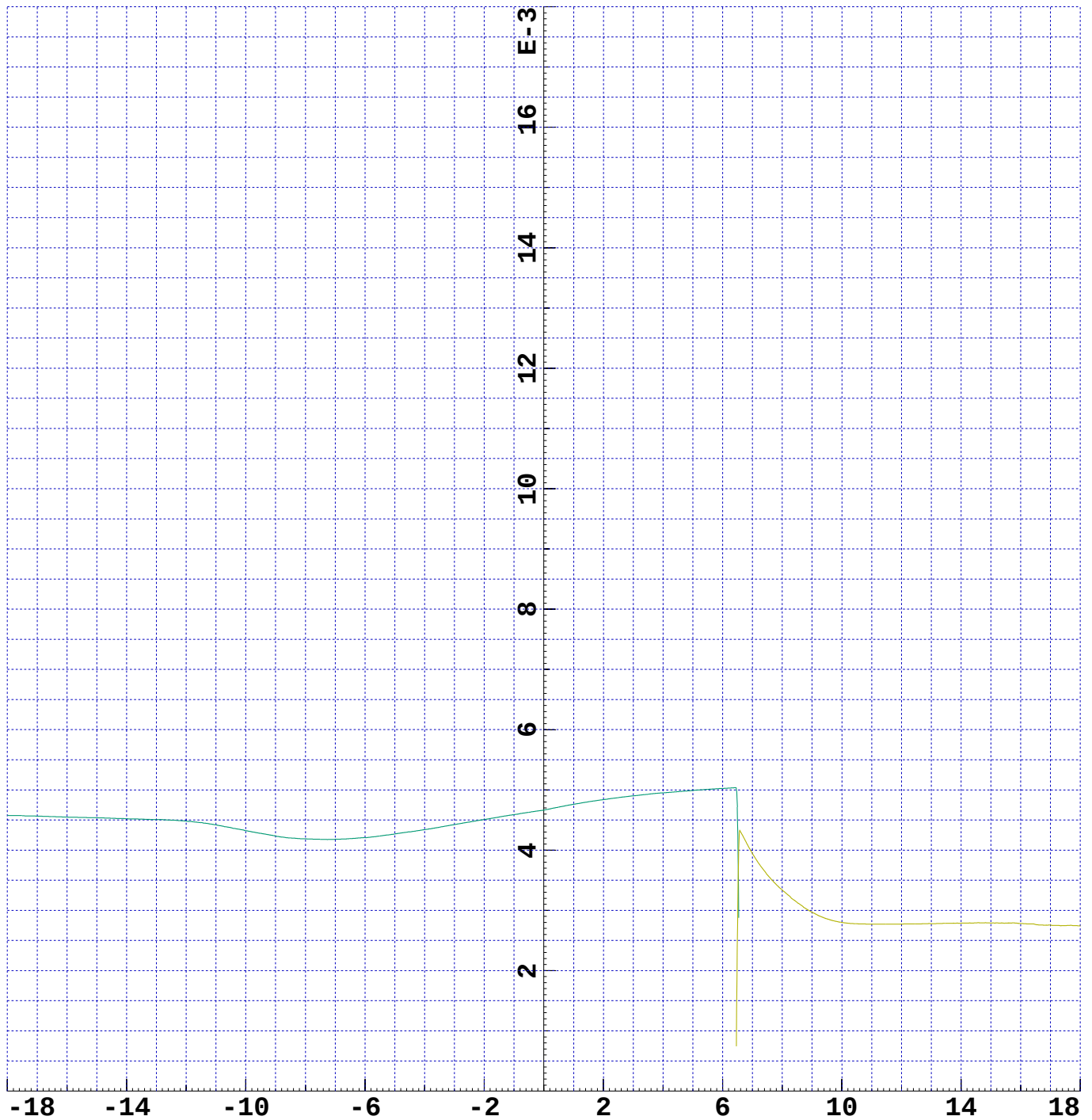




Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

C_r

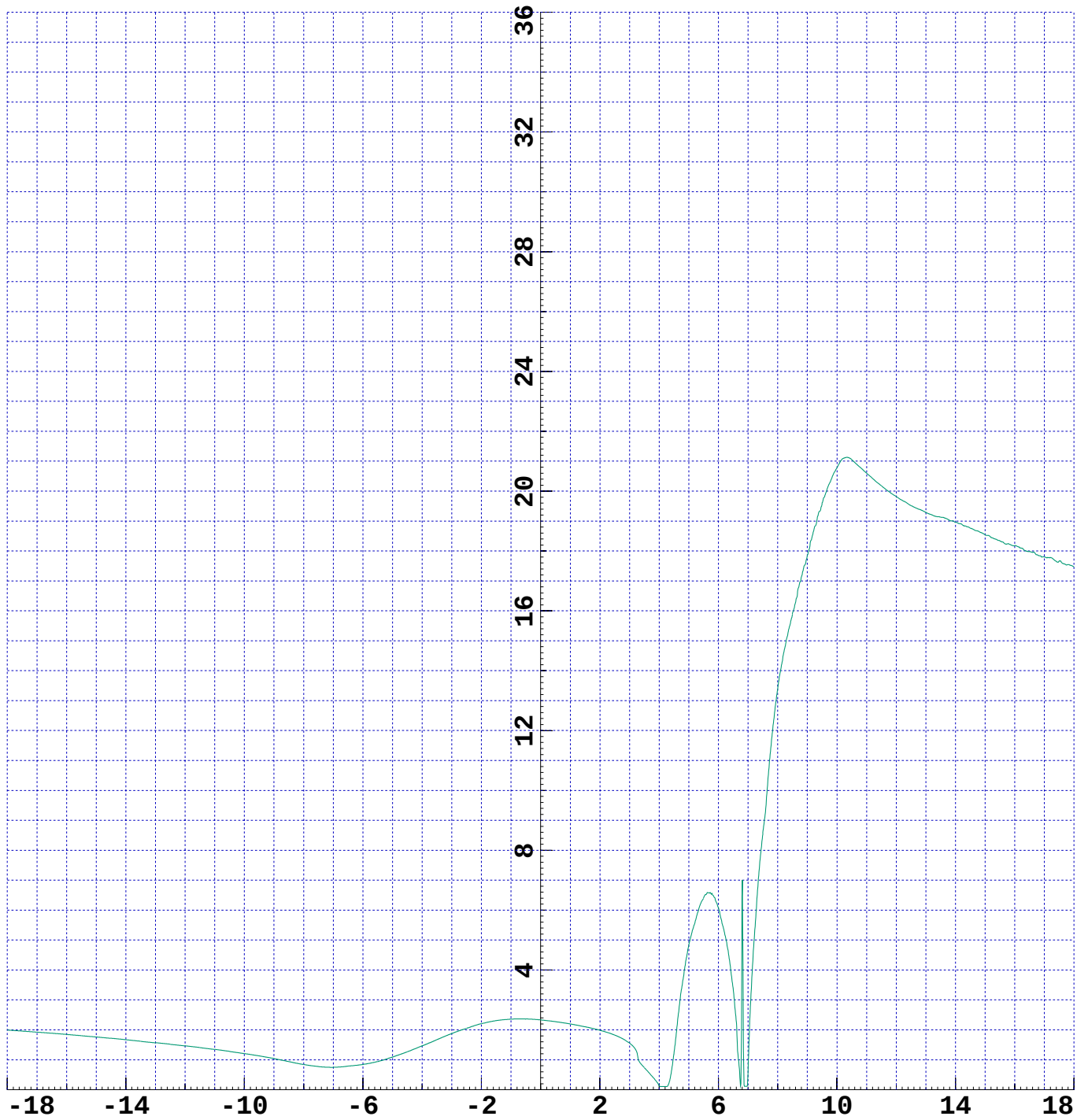
Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

C_1

Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel A/B_r
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

A/B_1

Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **SIGMAR**
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_007



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **SIGMA1**
Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_007

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

Radial Steering Index

× = $\Delta r_E = 4.24$ left curve

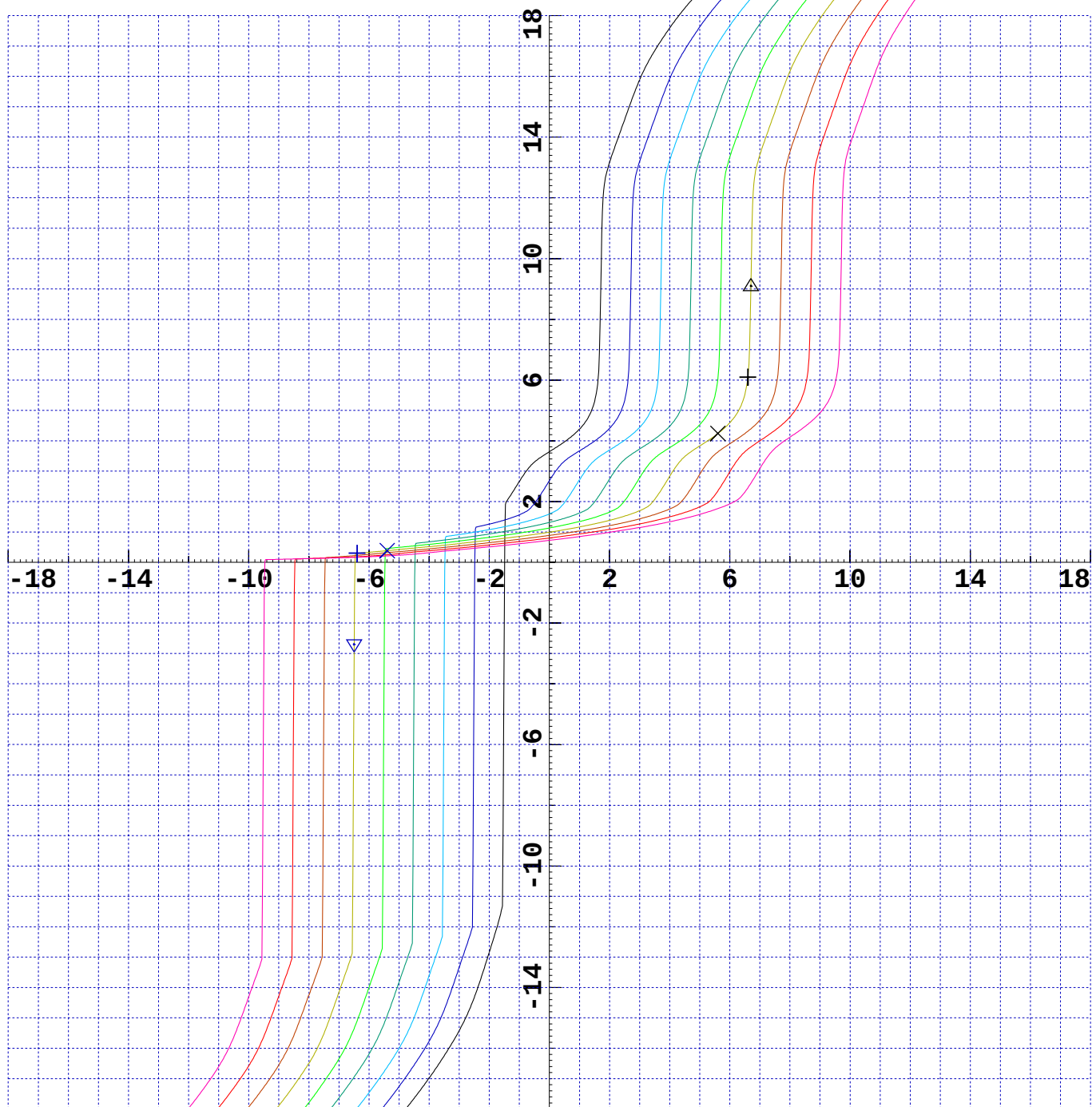
× = $\Delta r_E = 0.38$ right curve

+ = $A0r = 6.60$ 6.10

+ = $A0l = -6.40$.30

possibility of
rolling without
slip

discontinuity
point



$\triangle = 0.1\text{mm}$ right of +discontinuity
 $\nabla = 0.1\text{mm}$ left of -discontinuity

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

Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail

wprof_lat_shift= 0 Gauge= 1425-1441

rr-rl

Ident: kpfr_007

GENSYS-KPF.1308

Delta_Y=

.1

.5

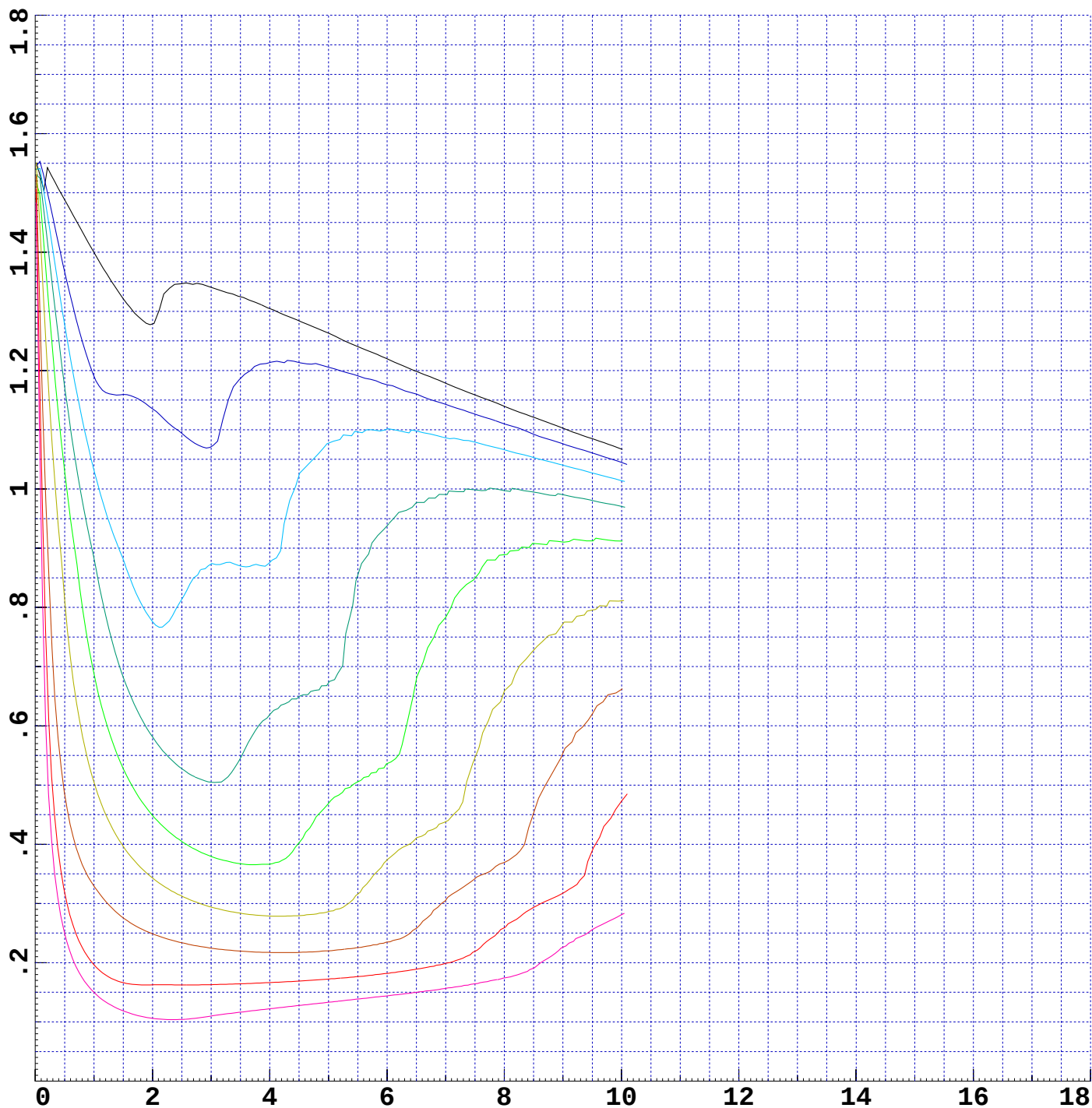
2

3

4

6

Gauge=	1425	—	1.522	1.488	1.279	1.341	1.305	1.220
	1427	—	1.546	1.368	1.135	1.072	1.214	1.176
	1429	—	1.530	1.279	.776	.873	.876	1.101
	1431	—	1.507	1.172	.581	.505	.619	.938
	1433	—	1.471	1.031	.449	.380	.367	.536
	1435	—	1.401	.813	.343	.294	.279	.374
	1437	—	1.225	.484	.249	.225	.217	.235
	1439	—	1.075	.320	.163	.163	.166	.182
	1441	—	.942	.250	.106	.110	.122	.144



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

Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail

wprof_lat_shift= 0 Gauge= 1425-1441

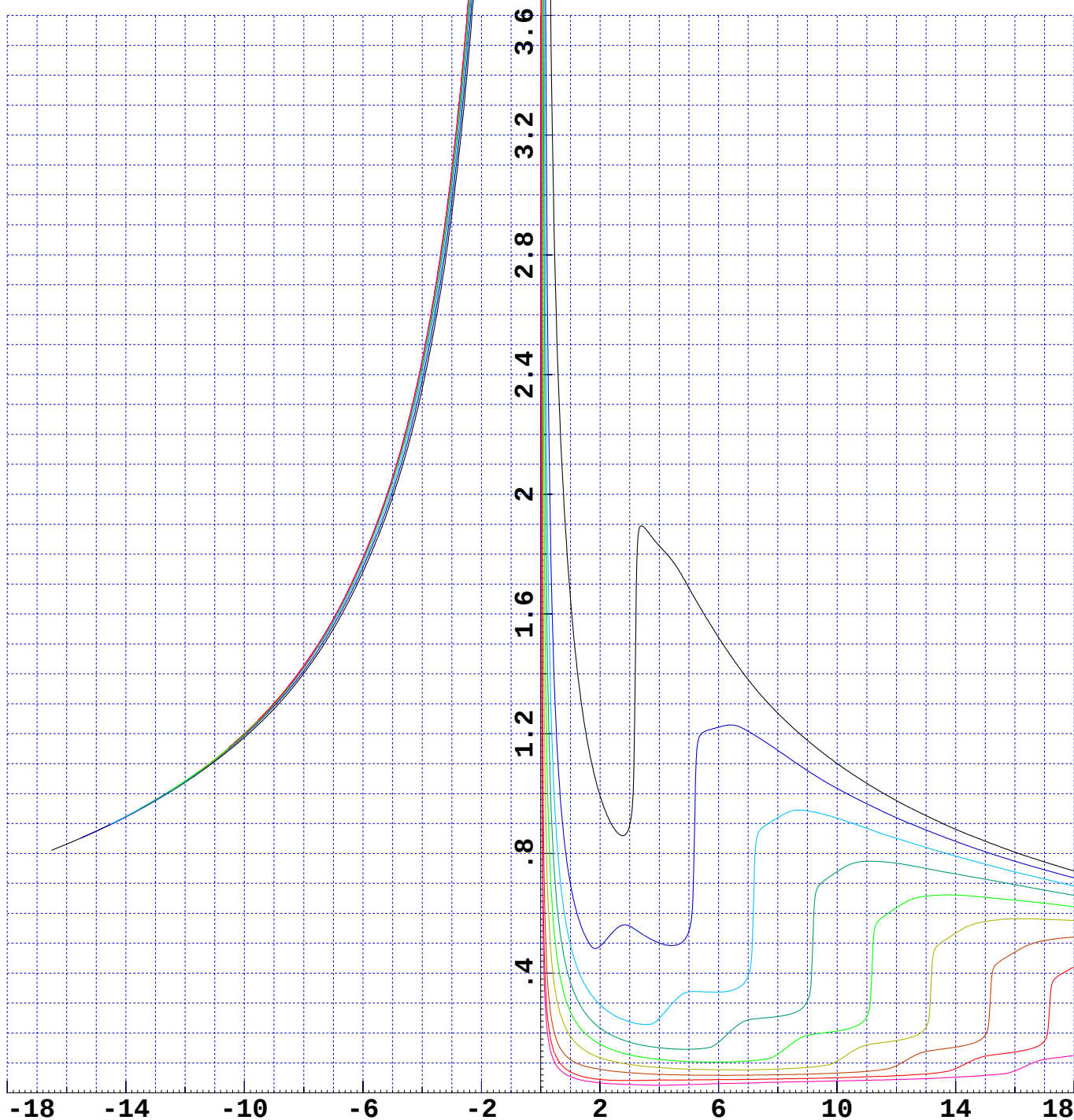
UIC519

Ident: kpfr_007

GENSYS-KPF.1308

Delta_Y=

		.1	.5	2	3	4	6
Gauge=	1425	10.408	2.684	.994	.893	1.827	1.522
	1427	5.875	1.265	.489	.557	.501	1.222
	1429	4.316	.915	.294	.237	.249	.337
	1431	3.214	.681	.217	.170	.150	.169
	1433	2.307	.496	.162	.127	.112	.103
	1435	1.521	.335	.118	.095	.084	.077
	1437	.815	.185	.079	.067	.062	.059
	1439	.572	.125	.045	.041	.043	.044
	1441	.444	.098	.034	.027	.026	.031



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

Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail

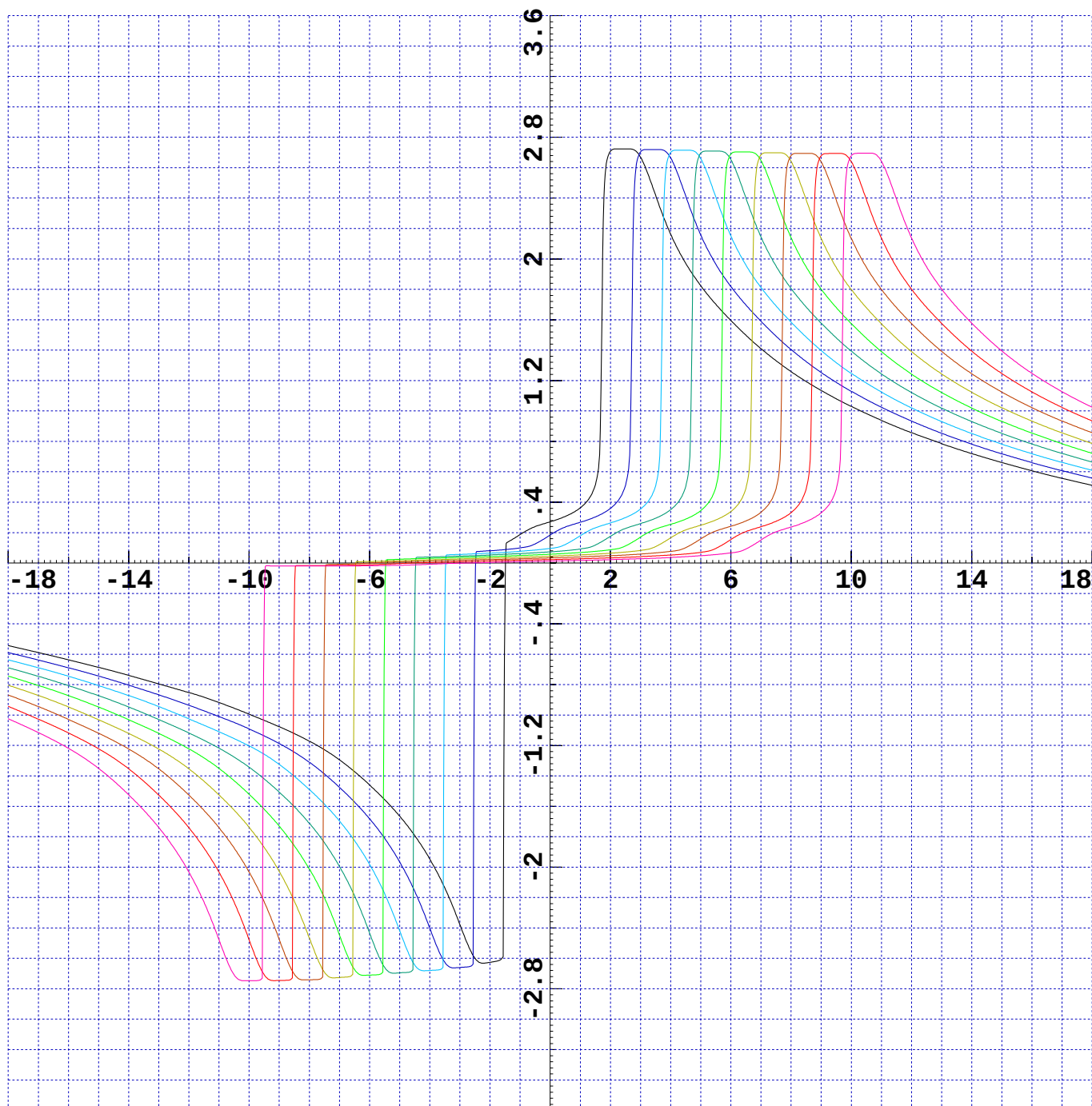
wprof_lat_shift= 0 Gauge= 1425-1441

lambda

Ident: kpfr_007

GENSYS-KPF.1308

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

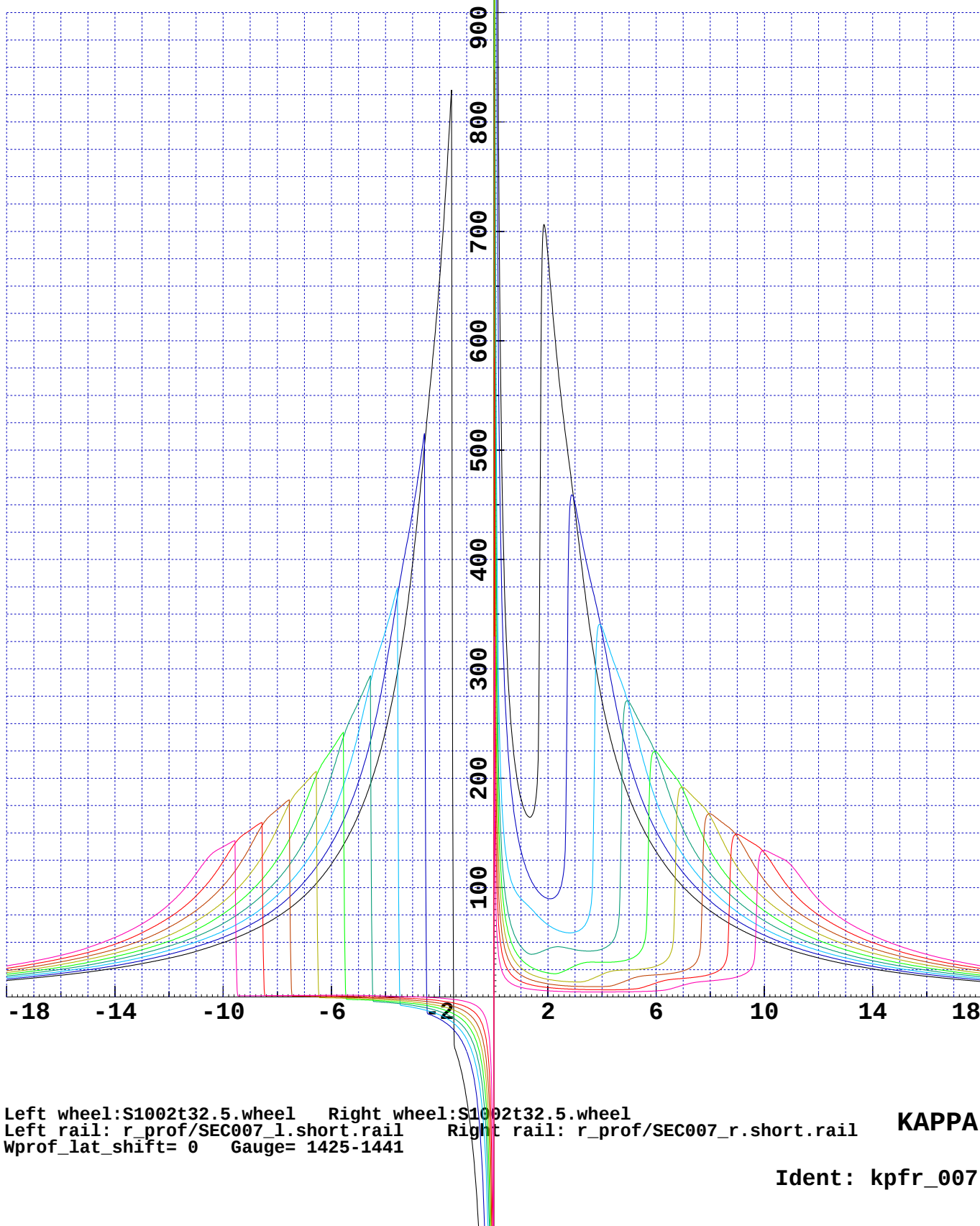


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel tan_Ga
 Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail
 wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_007

GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	1388.41	306.76	677.35	444.71	270.19	132.97
1427	—	980.62	236.36	89.91	450.91	333.01	151.52
1429	—	495.50	122.11	66.00	59.23	337.61	179.30
1431	—	375.72	81.60	43.97	43.24	43.81	221.12
1433	—	295.02	63.27	21.94	28.49	31.76	224.14
1435	—	229.48	49.05	16.14	13.74	20.66	28.22
1437	—	171.96	36.87	12.03	9.81	9.56	20.18
1439	—	118.77	25.79	8.63	7.03	6.59	12.86
1441	—	67.67	15.30	5.63	4.73	4.53	5.56



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

Left rail: r_prof/SEC007_l.short.rail Right rail: r_prof/SEC007_r.short.rail

wprof_lat_shift= 0 Gauge= 1425-1441

KAPPA

Ident: kpfr_007

GENSYS-KPF.1308

Delta_Y=

.1

.5

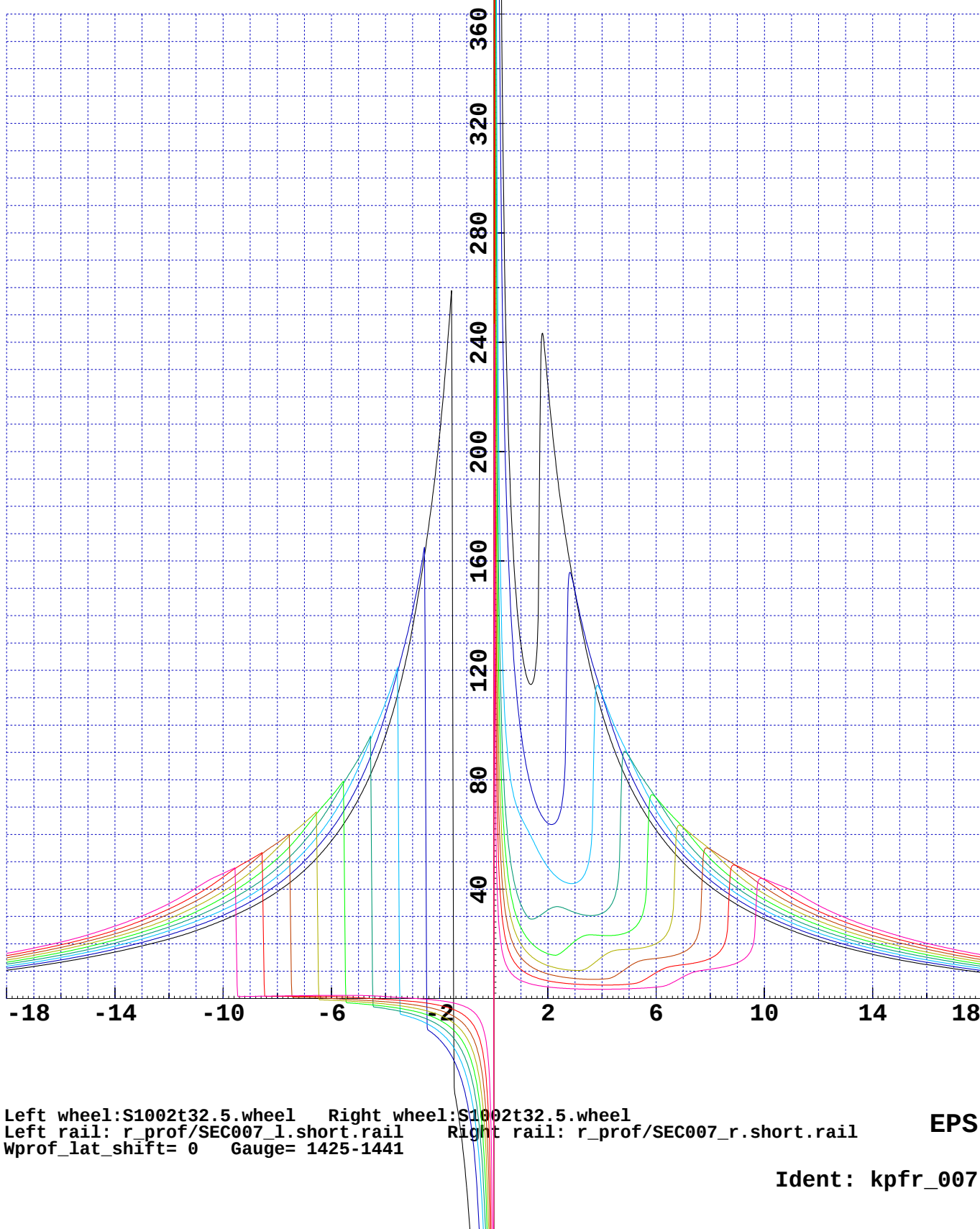
2

3

4

6

Gauge=	1425	1009.12	221.61	223.91	148.45	104.31	61.62
	1427	722.43	172.97	64.09	148.78	110.94	64.95
	1429	369.20	90.77	47.99	42.20	111.16	68.92
	1431	280.44	60.87	32.43	31.42	31.18	73.30
	1433	220.41	47.25	16.35	21.00	23.07	73.40
	1435	171.55	36.66	12.04	10.23	15.22	20.05
	1437	128.60	27.57	8.99	7.32	7.12	14.64
	1439	88.86	19.29	6.45	5.25	4.91	9.46
	1441	50.64	11.45	4.21	3.53	3.38	4.14



GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	9.16	2.02	.98	1.29	1.39	1.36
1427	—	7.37	1.63	.58	.67	.98	1.16
1429	—	6.42	1.36	.48	.40	.51	.94
1431	—	5.84	1.24	.39	.33	.31	.67
1433	—	5.38	1.14	.35	.28	.26	.36
1435	—	5.01	1.06	.33	.25	.22	.22
1437	—	4.72	1.00	.31	.23	.20	.19
1439	—	4.50	.95	.29	.22	.19	.16
1441	—	4.35	.92	.28	.21	.18	.14

