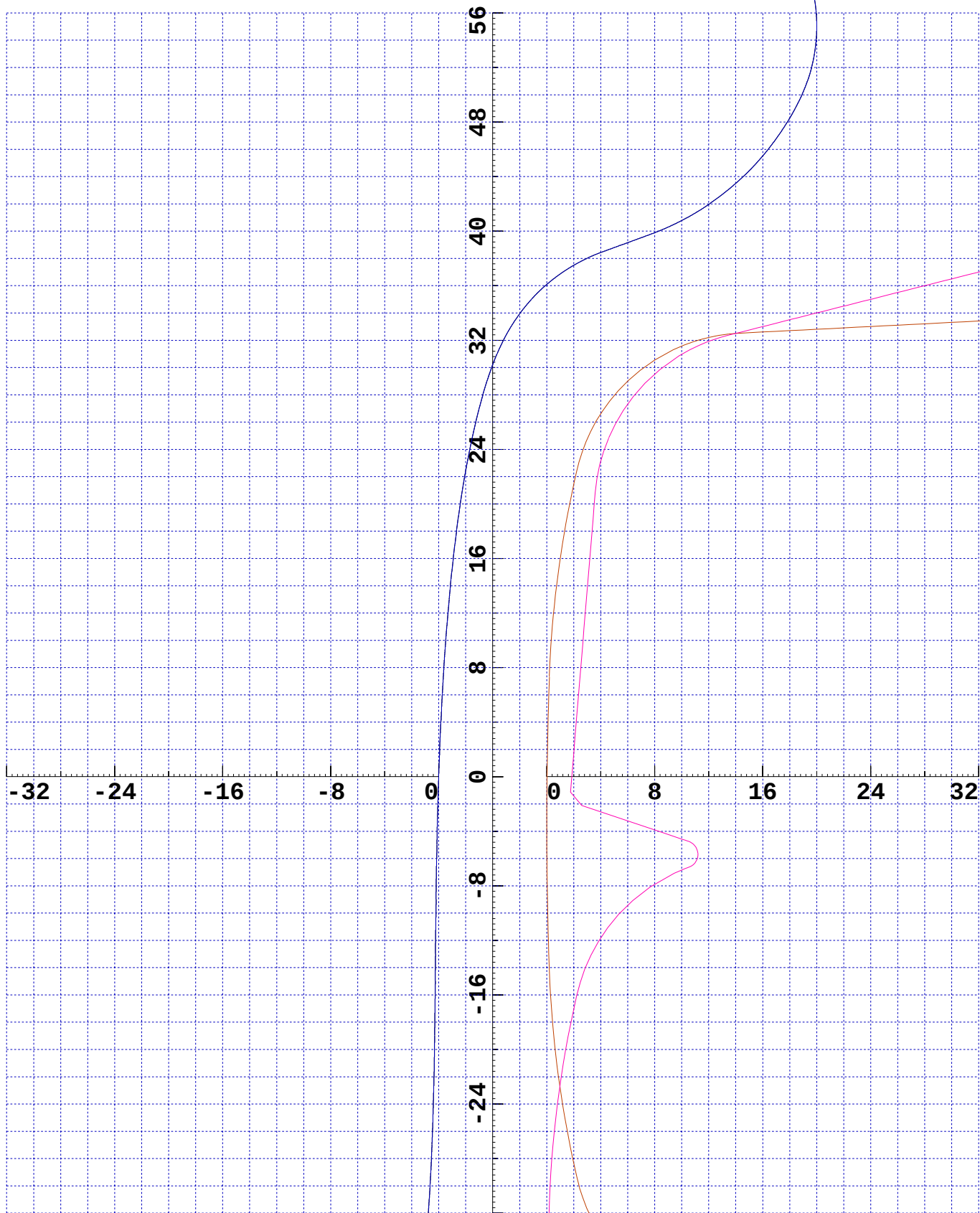
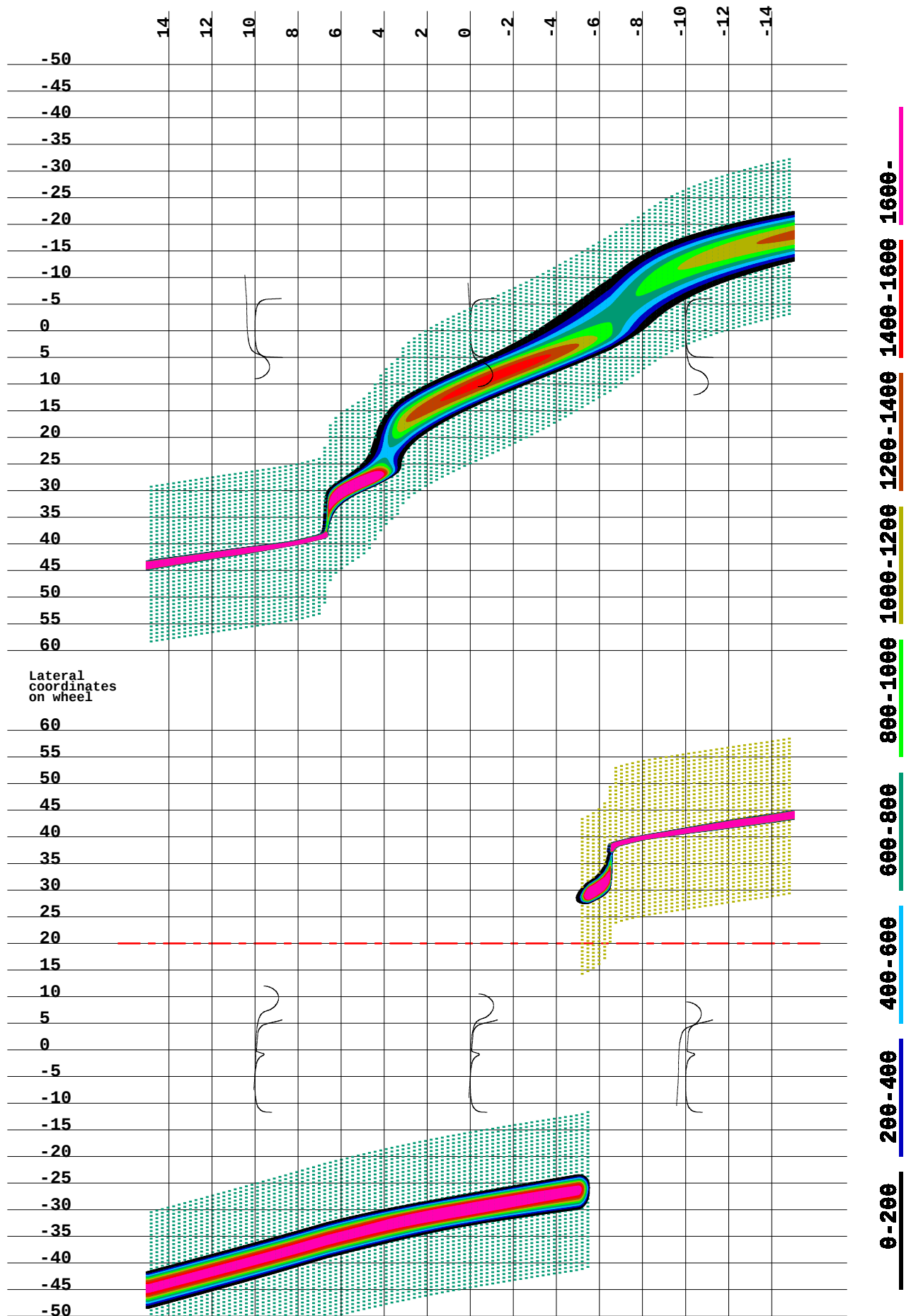


- Right wheel
- Left wheel
- Right rail
- Left rail



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel WRGEOM
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_008

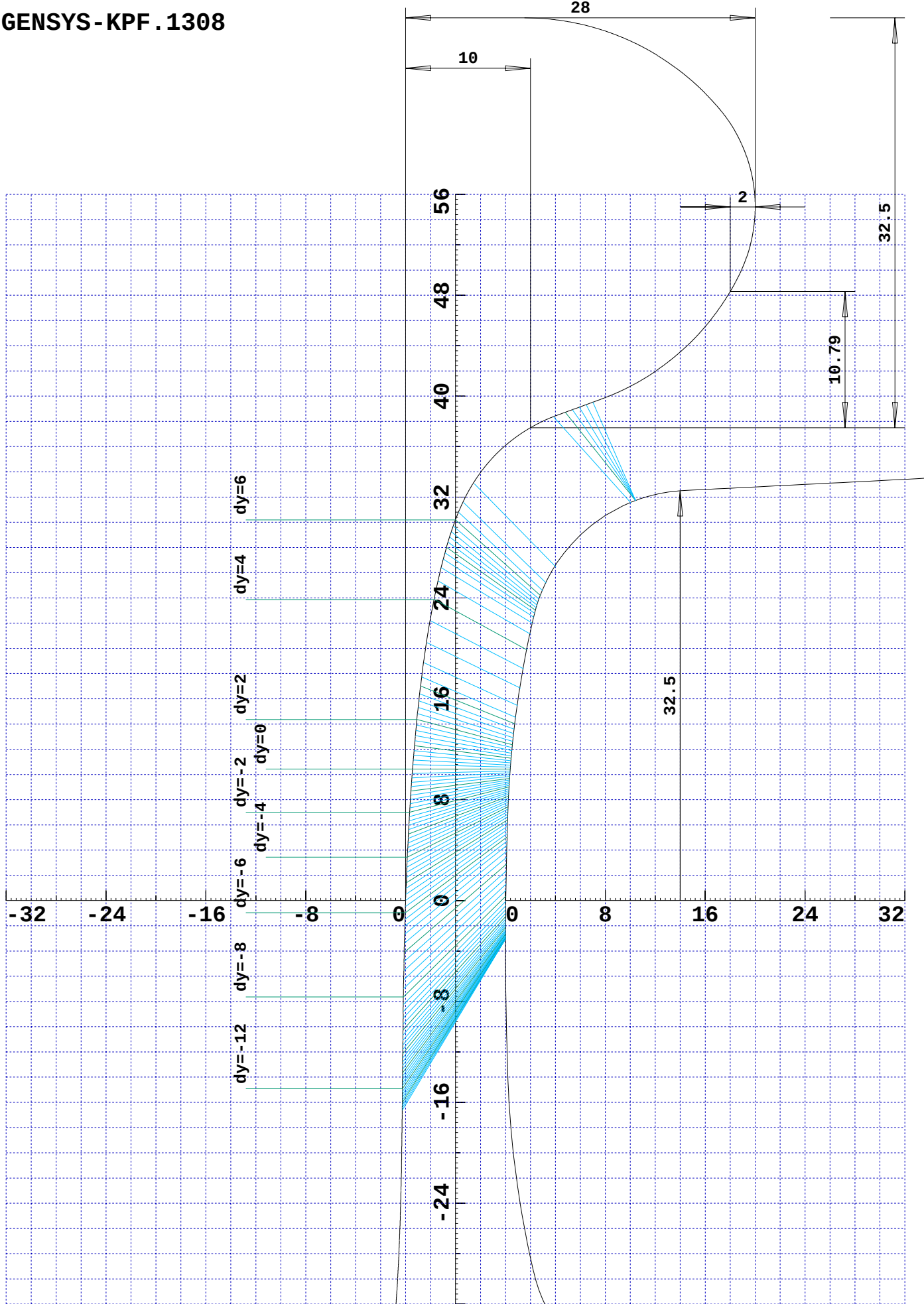


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel

Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.sho

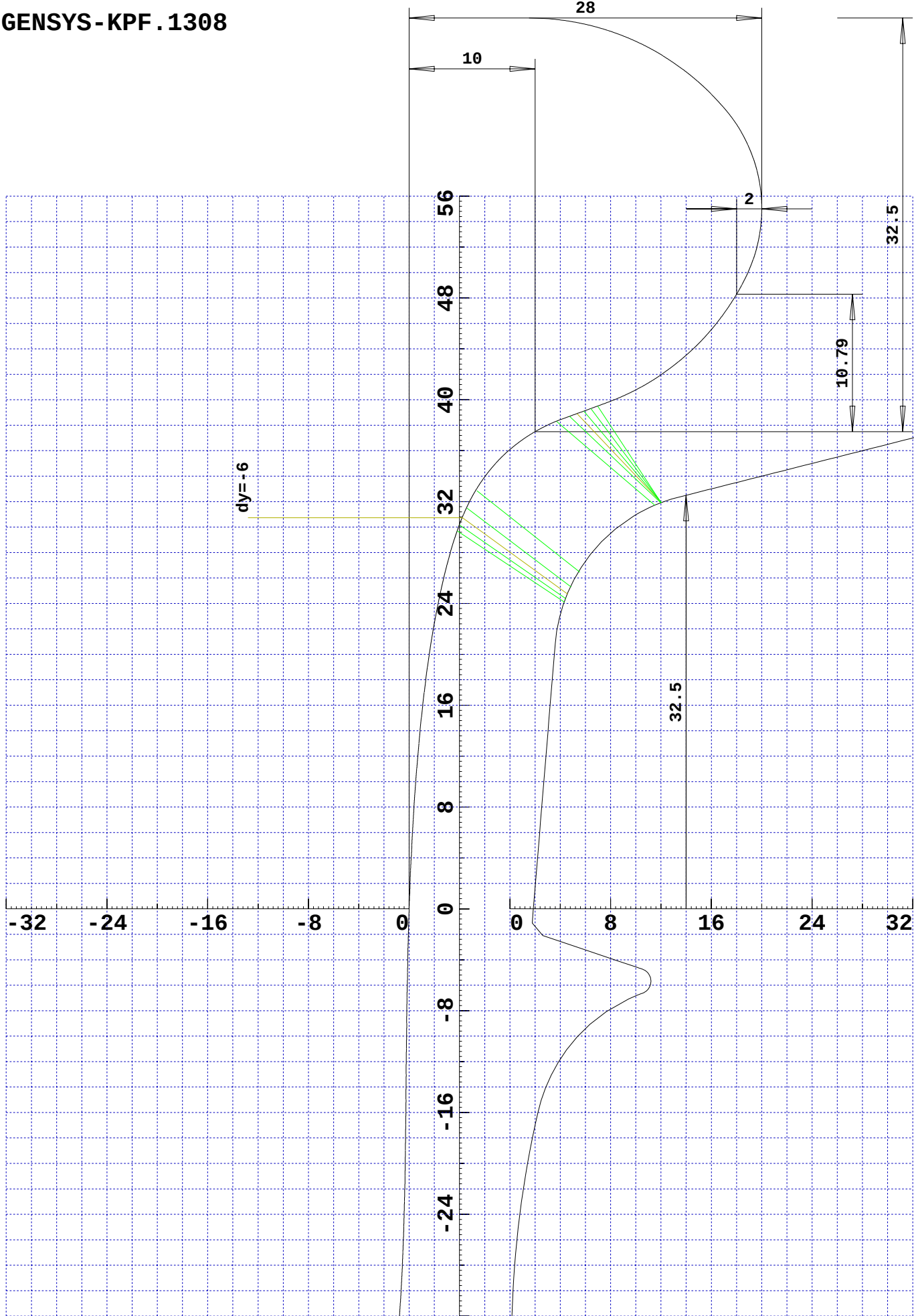
Wprof_lat_shift= 0 Gauge= 1425-1441

Contact Pressure



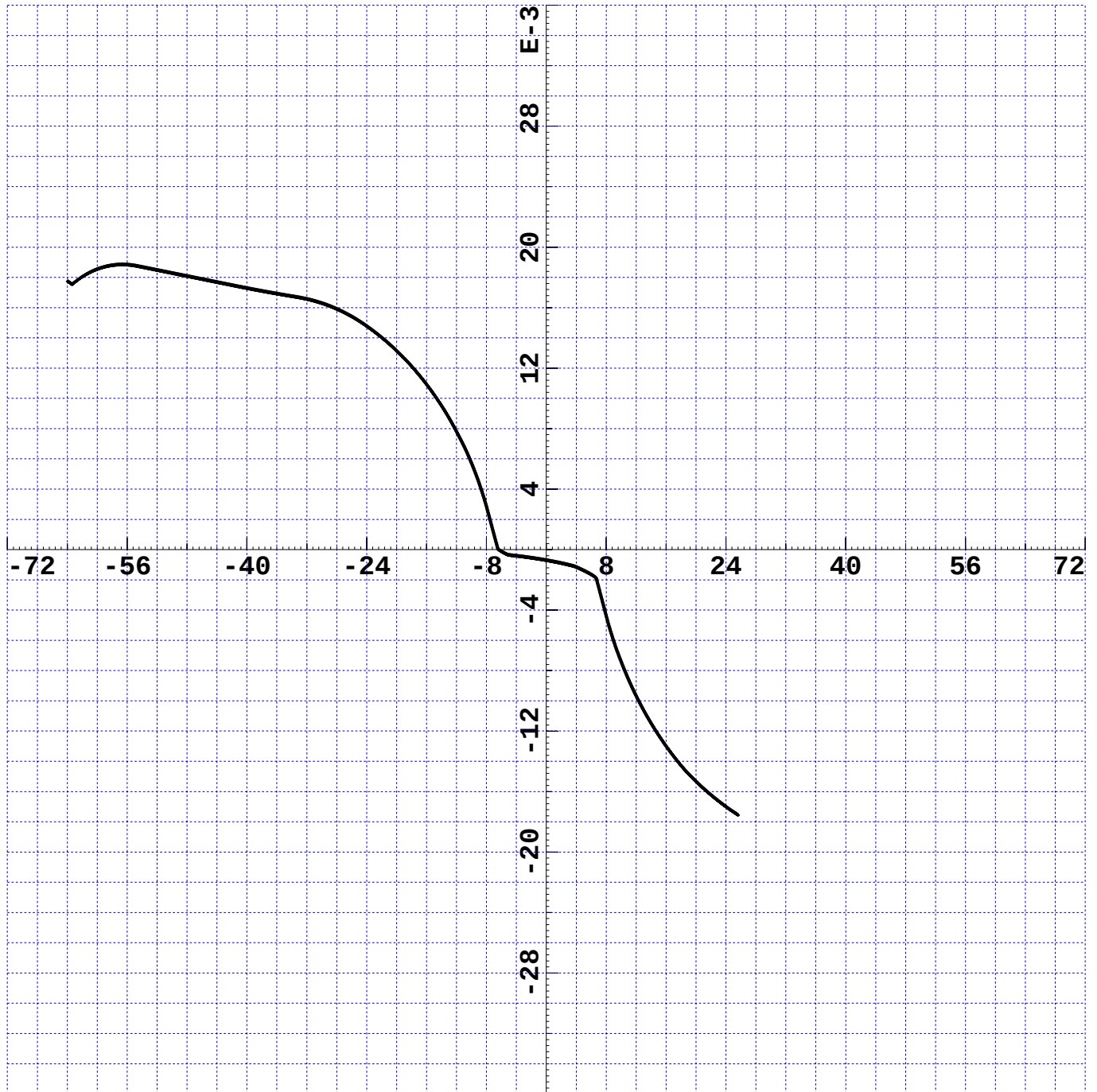
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel CONNr
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_008



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **CONN1**
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

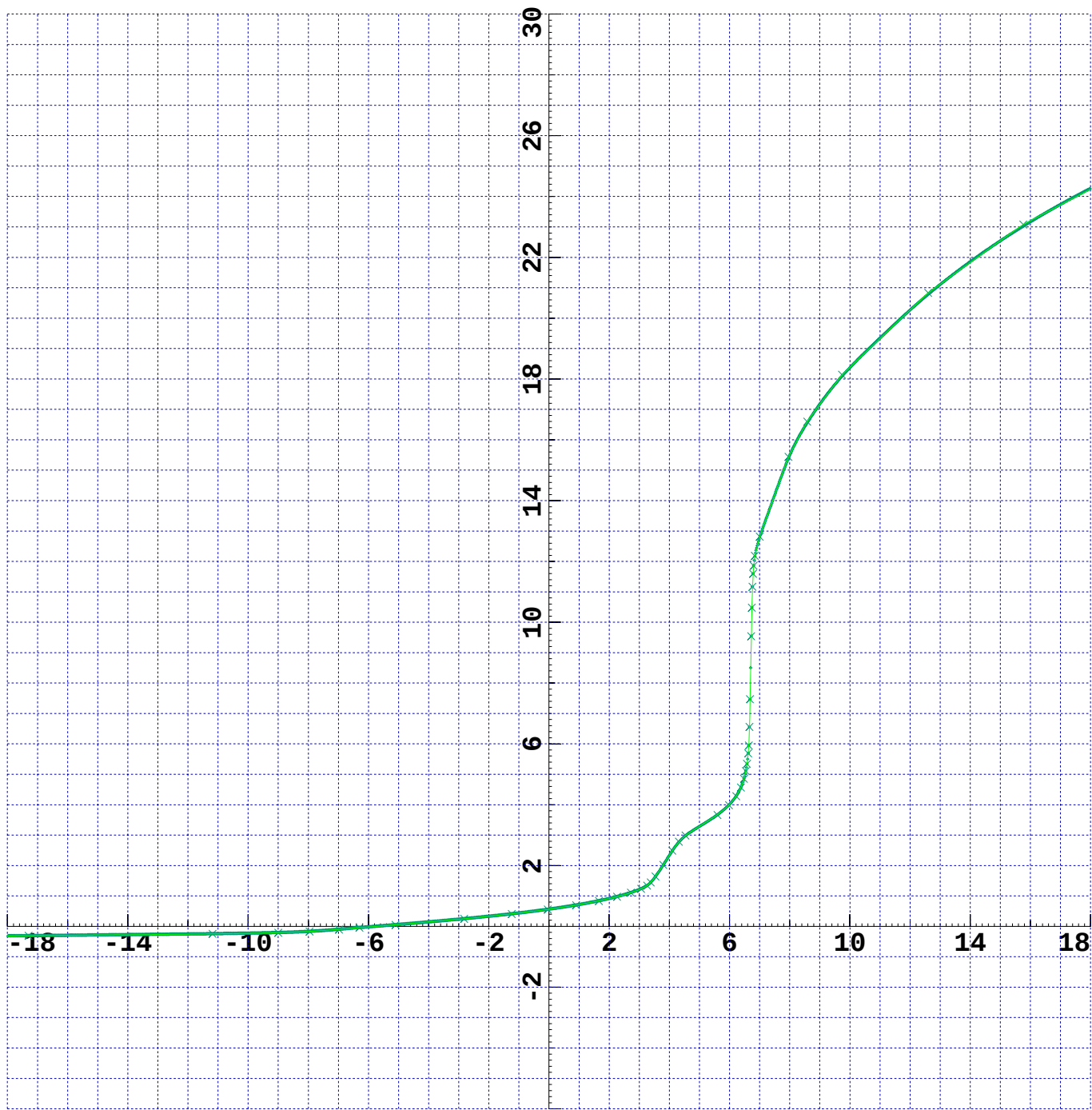
Ident: kpfr_008



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

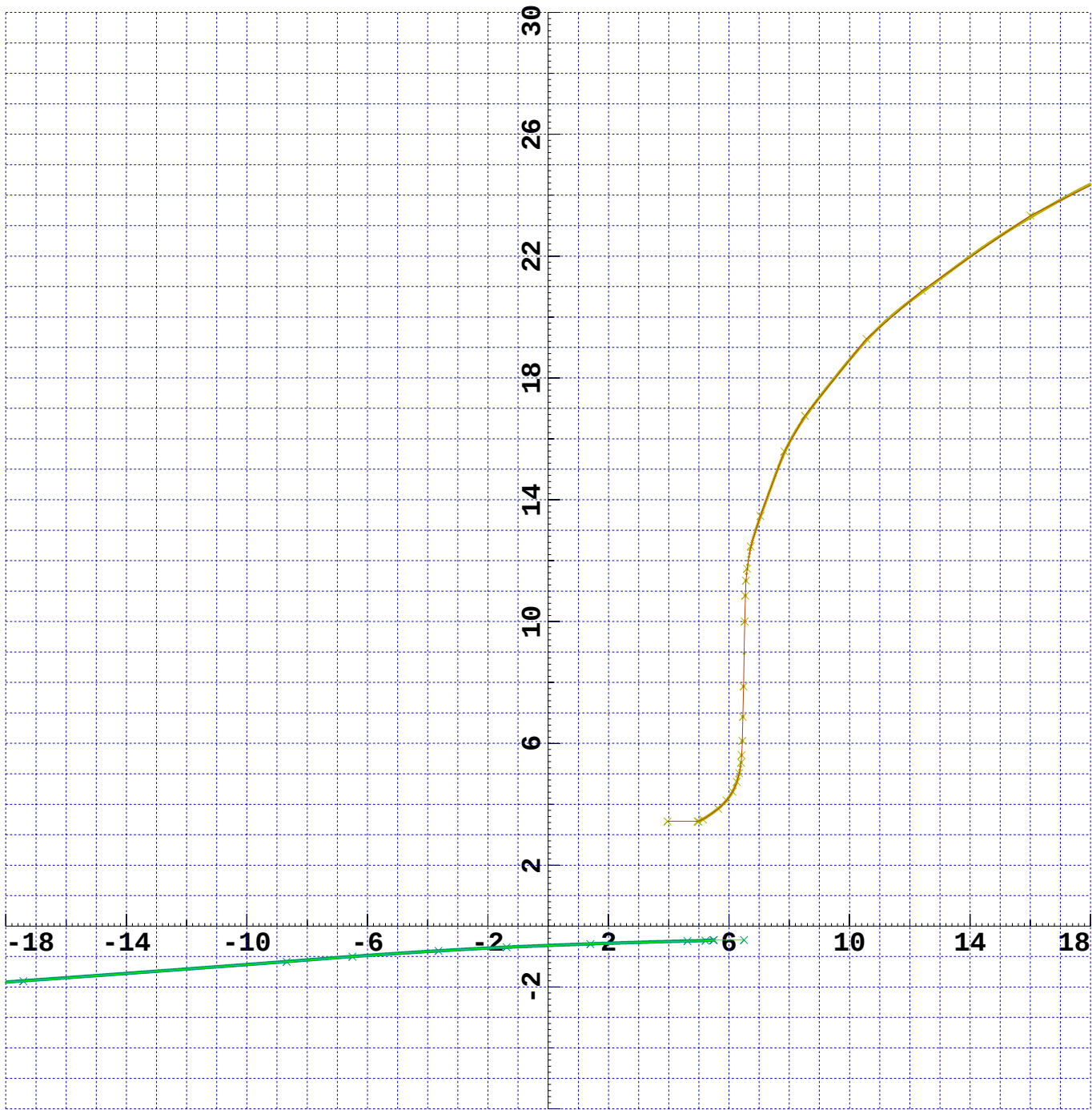
Flax1

Ident: kpfr_008



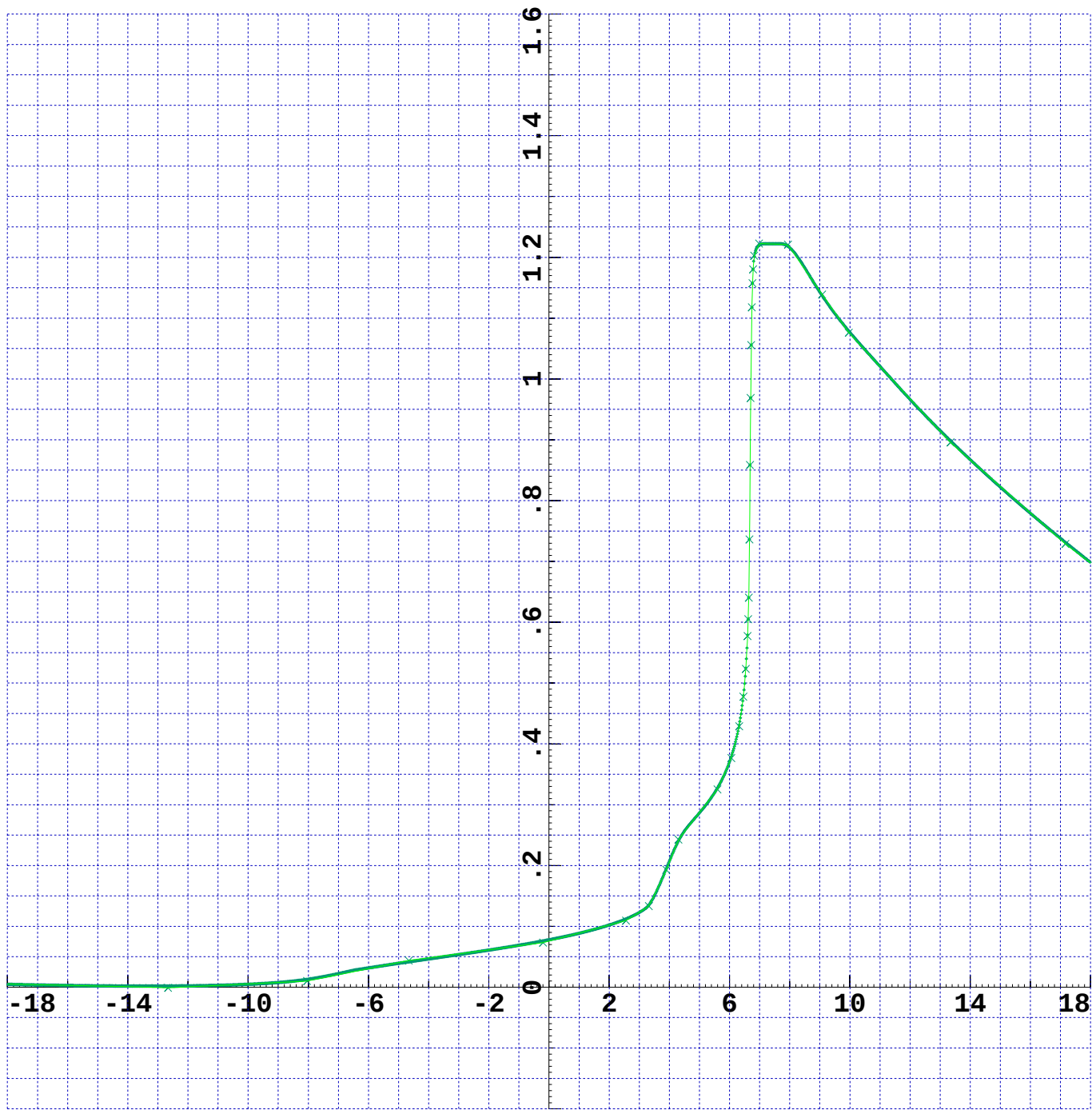
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel DRFNr
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_008

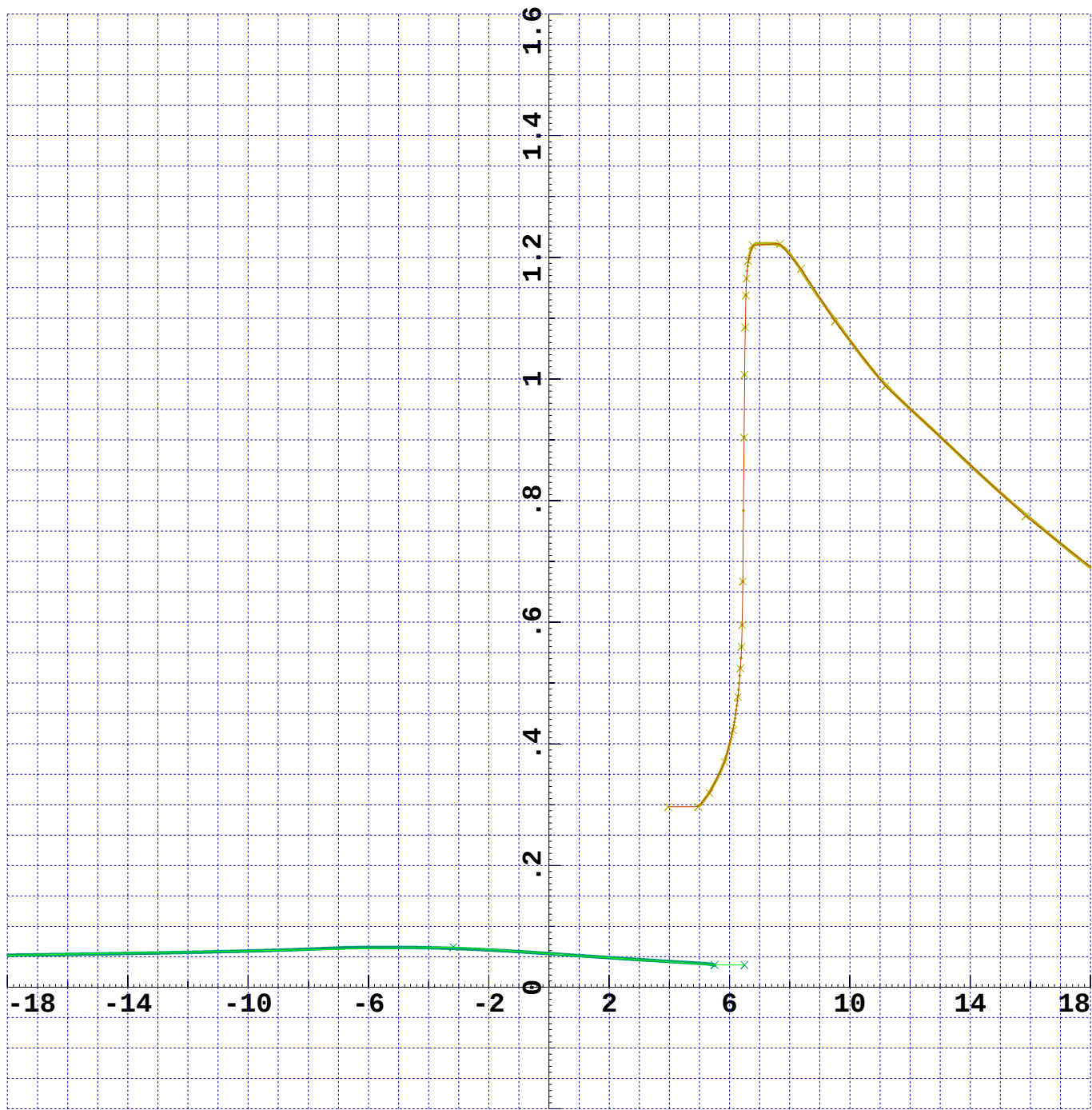


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel DRFN1
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_008

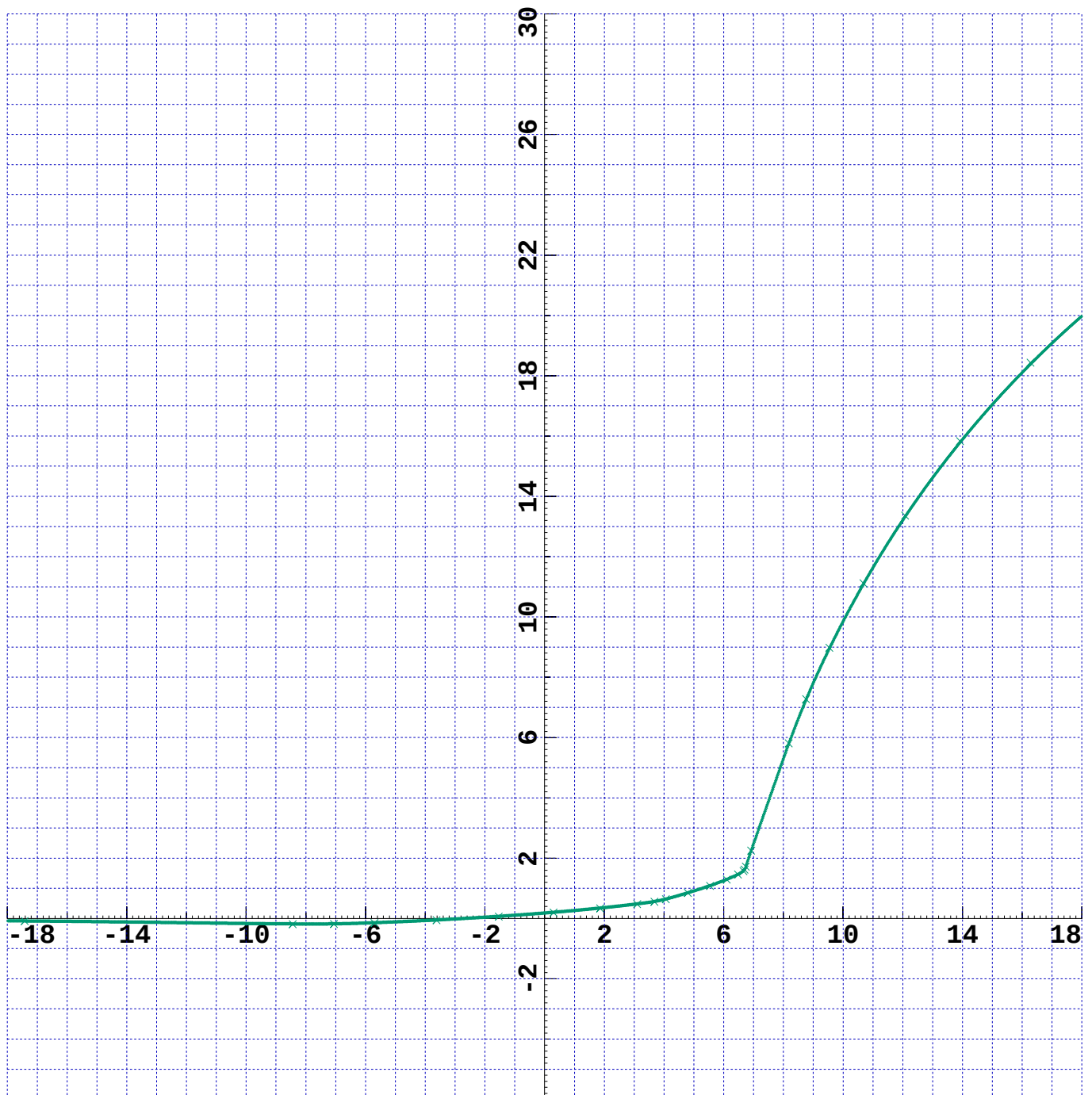


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel **GAMFNr**
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441
Ident: kpfr_008



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel **GAMFN1**
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_008



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ZFNr

Ident: kpfr_008



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel ZFN1
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_008



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ROFNr

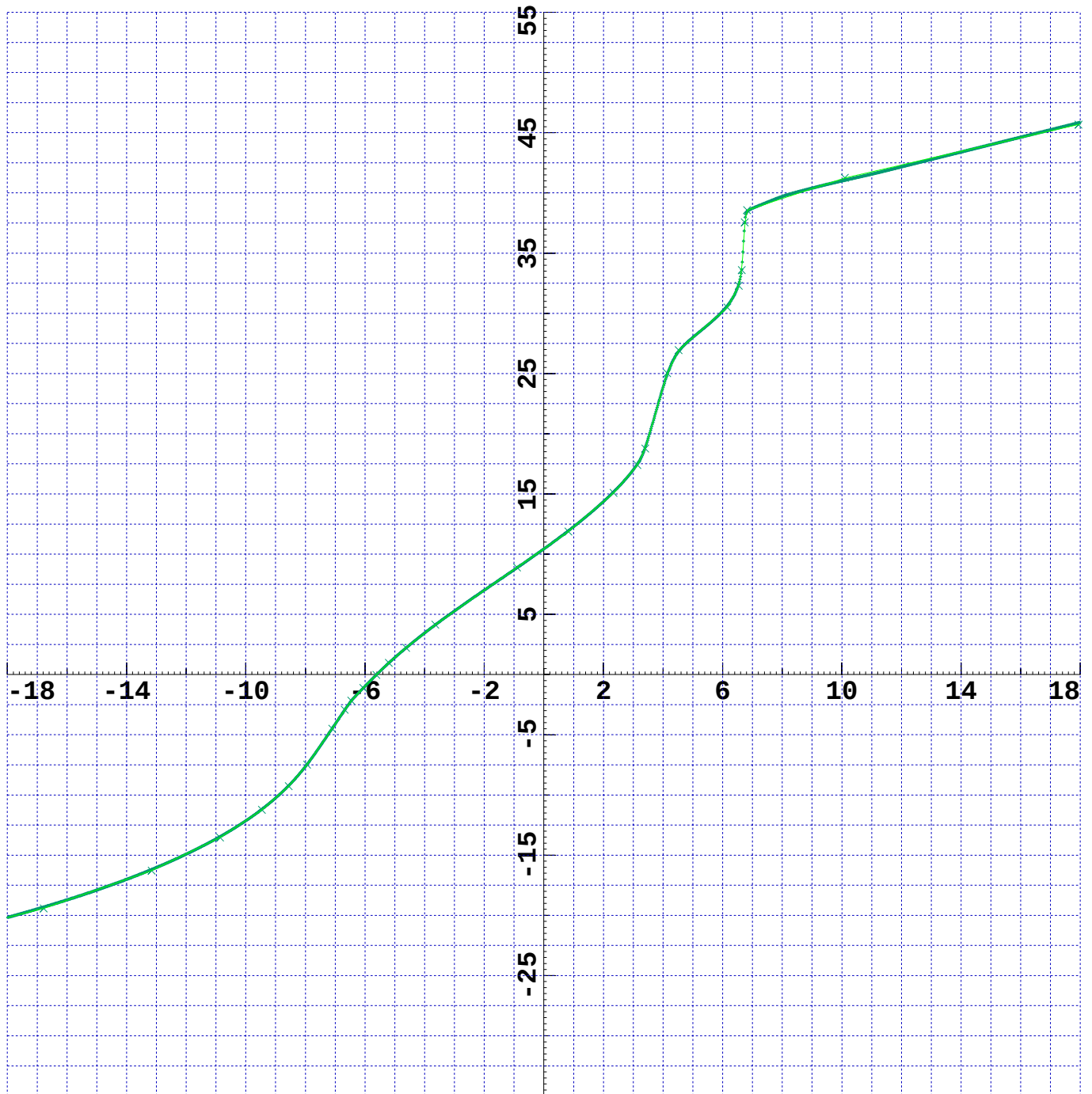
Ident: kpfr_008



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ROFN1

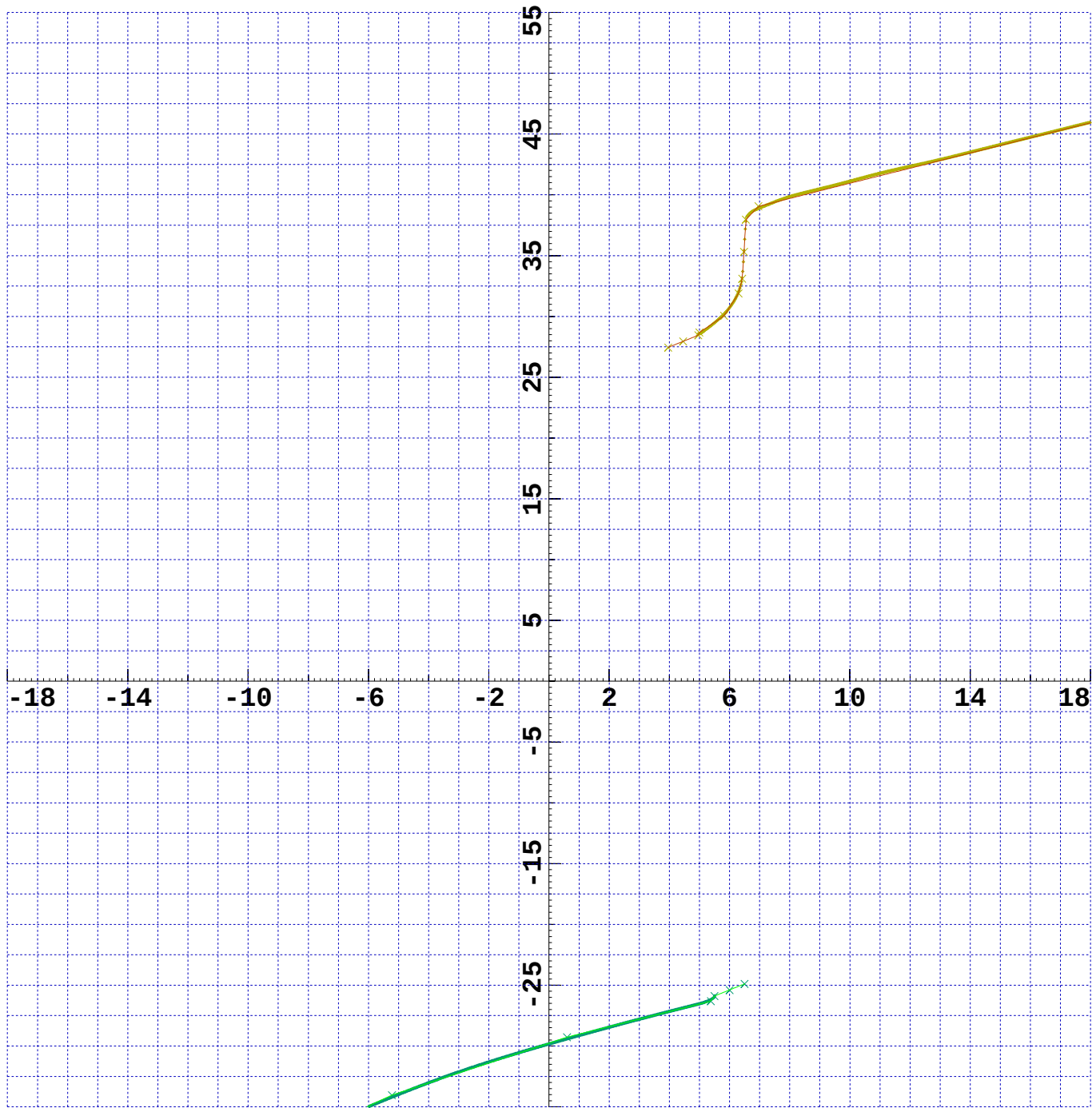
Ident: kpfr_008



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

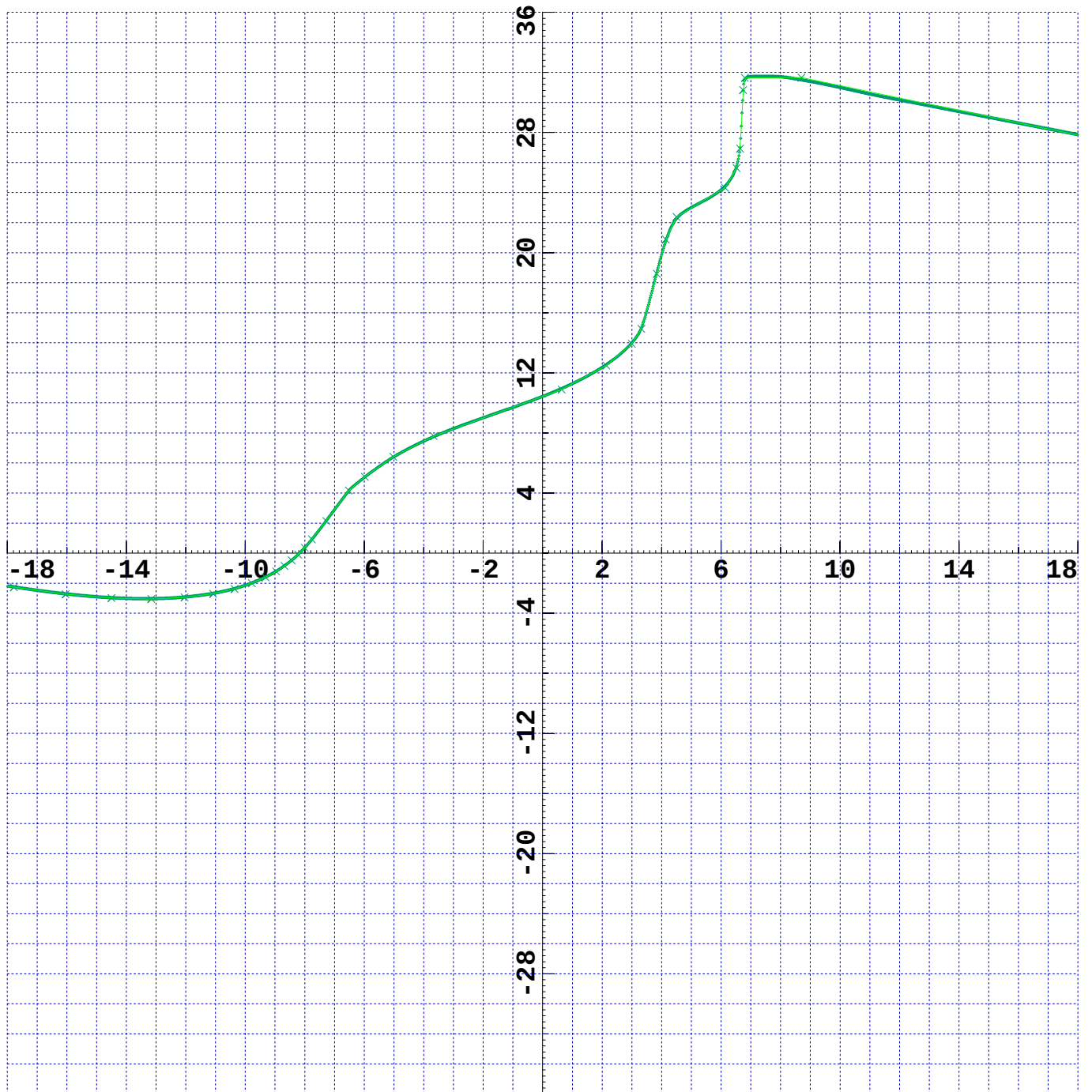
POSWr

Ident: kpfr_008



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel POSW1
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_008



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

POSRR

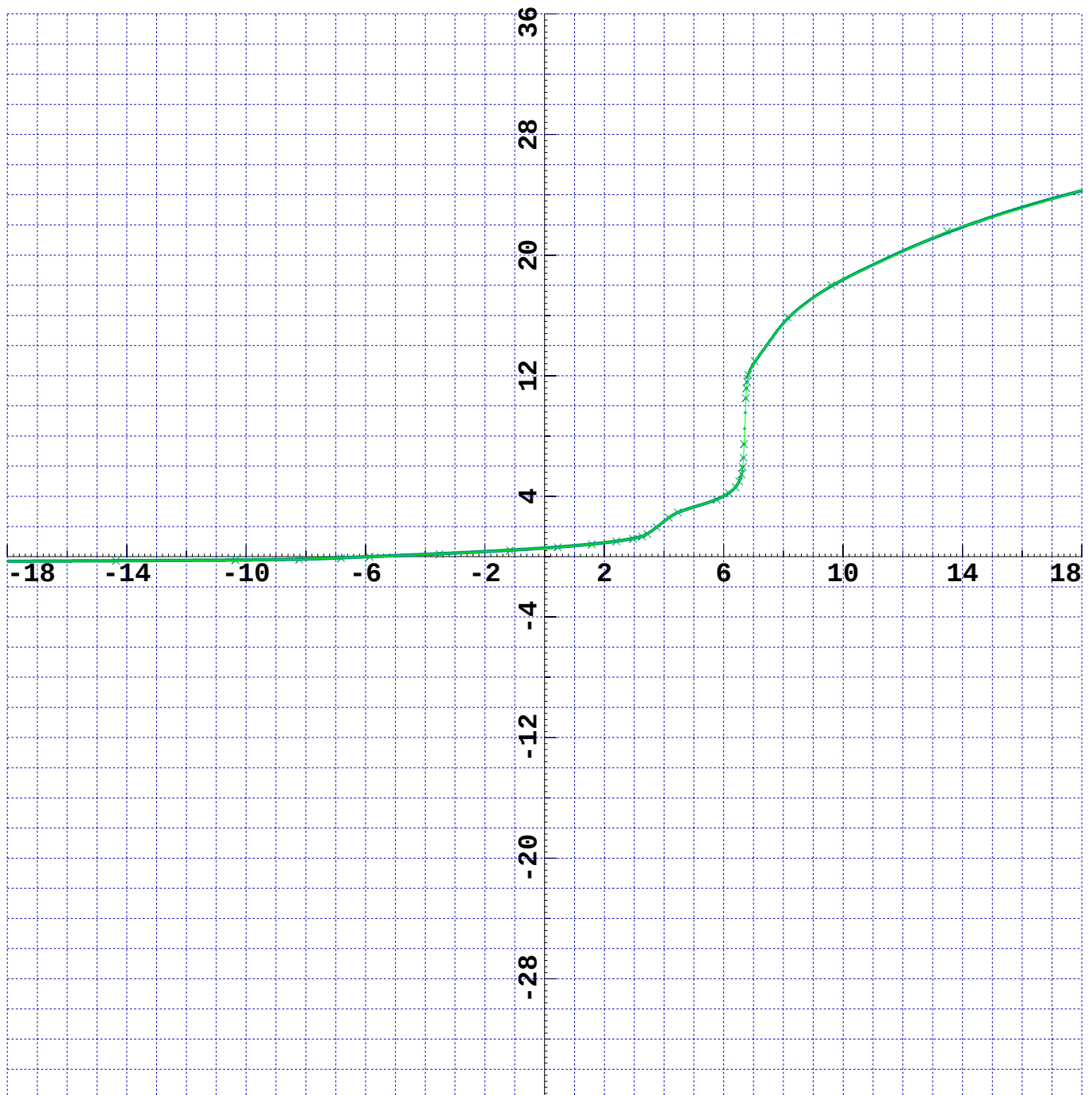
Ident: kpfr_008



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

POSR1

Ident: kpfr_008



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ZWr

Ident: kpfr_008



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ZW1

Ident: kpfr_008

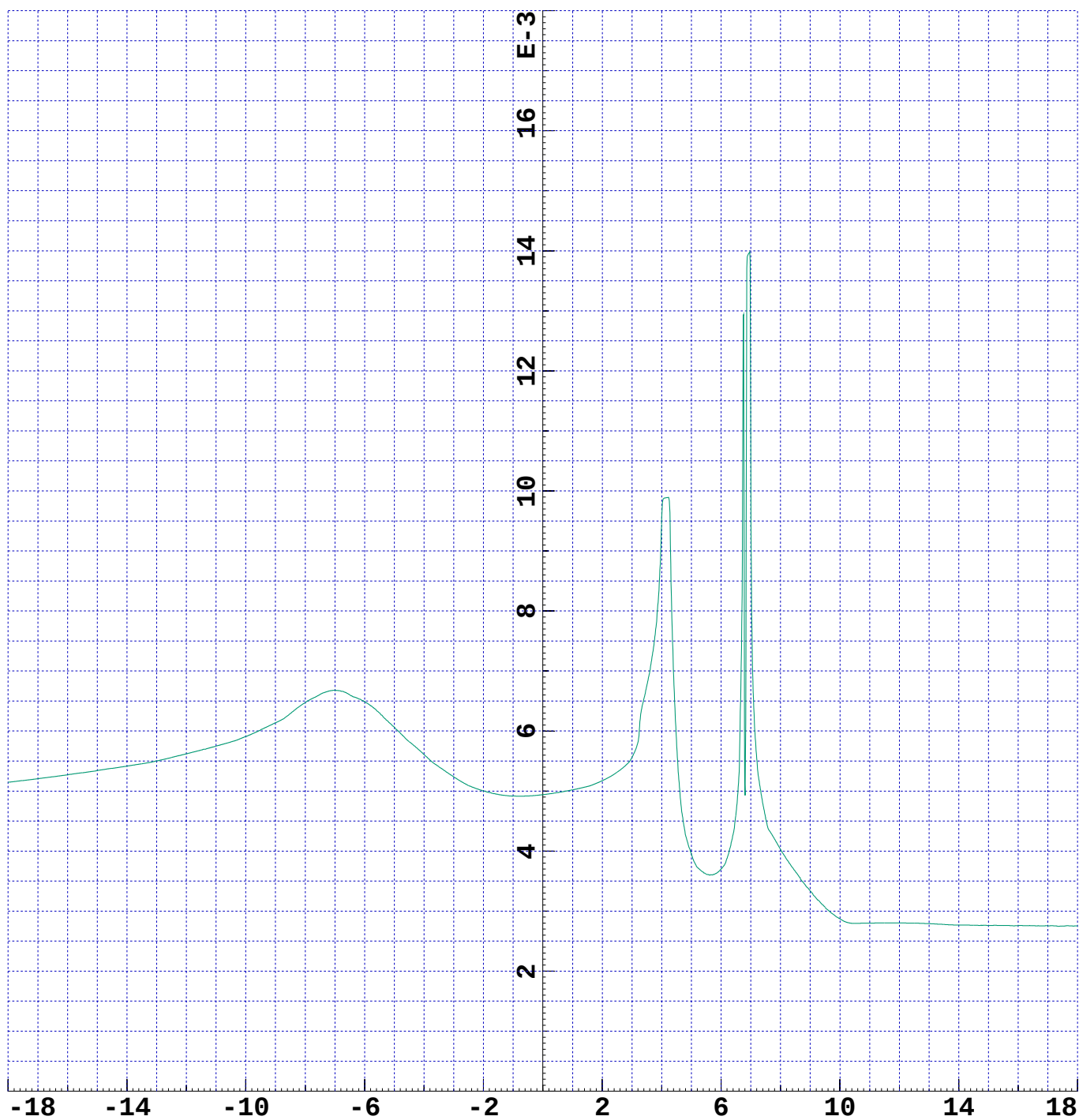




Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ZR1

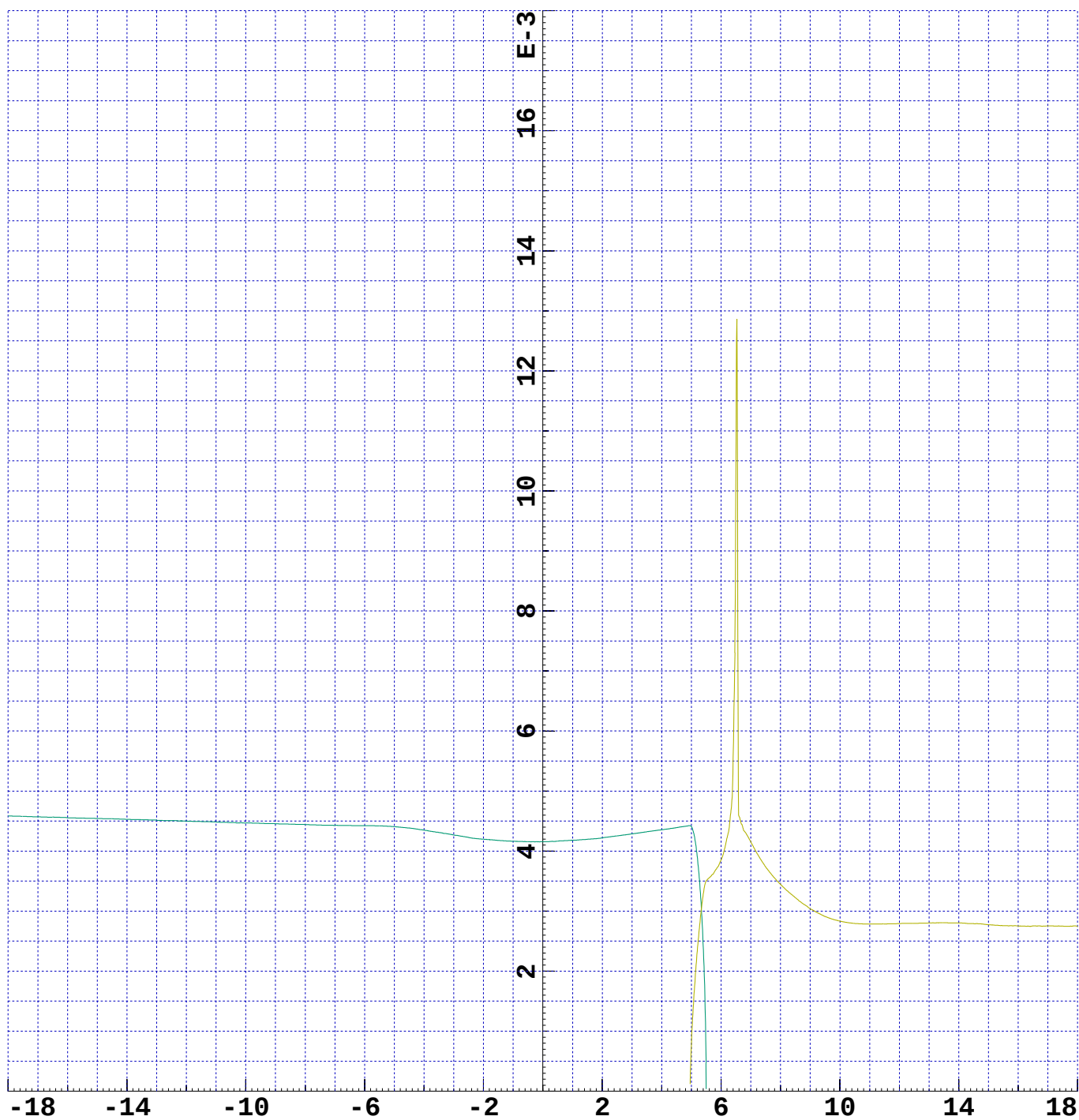
Ident: kpfr_008



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

C_r

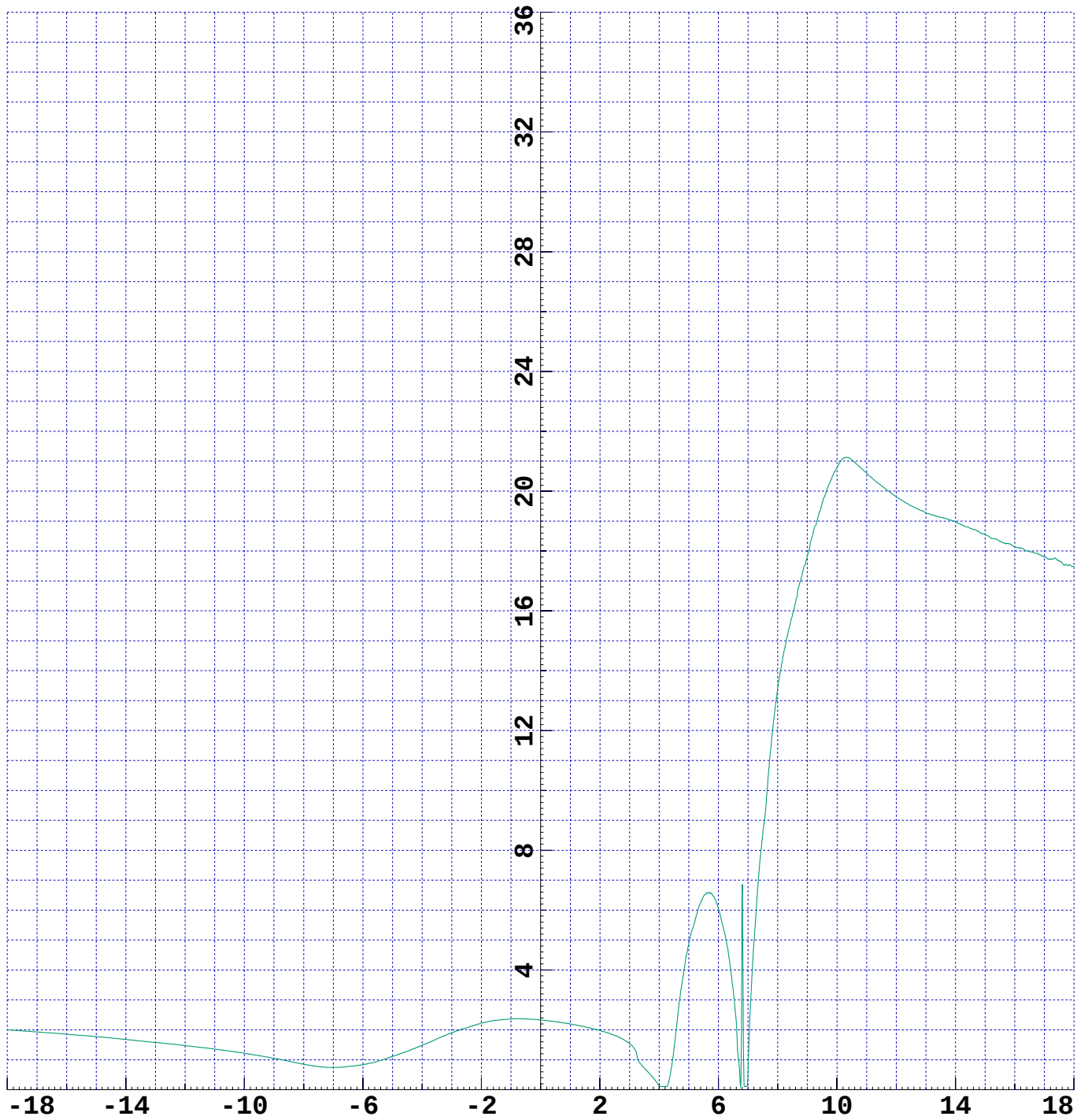
Ident: kpfr_008



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
 Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
 Wprof_lat_shift= 0 Gauge= 1425-1441

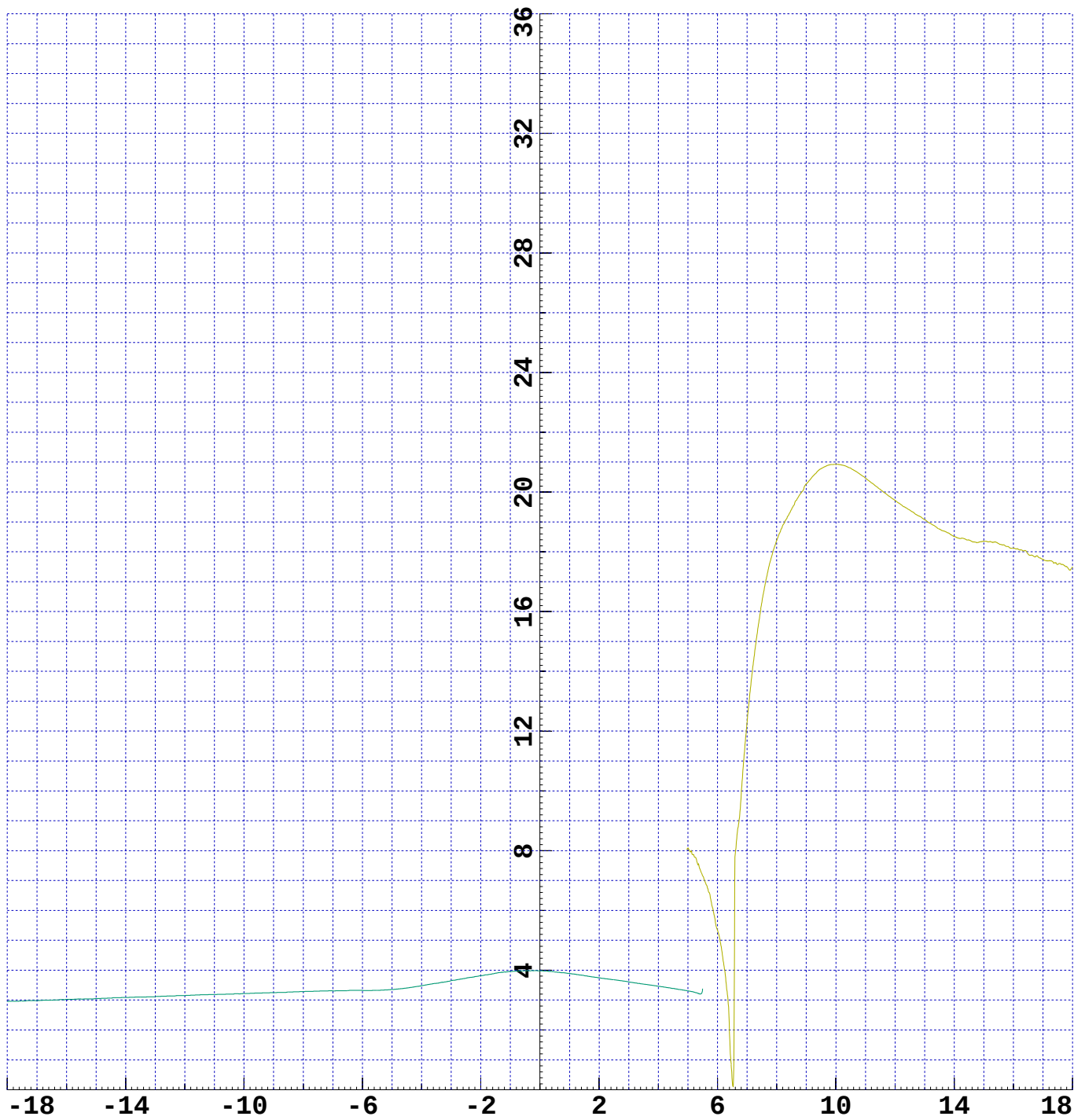
C_1

Ident: kpfr_008



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel A/B_r
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_008



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel A/B_1
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_008



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **SIGMAR**
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_008



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel **SIGMA1**
Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_008

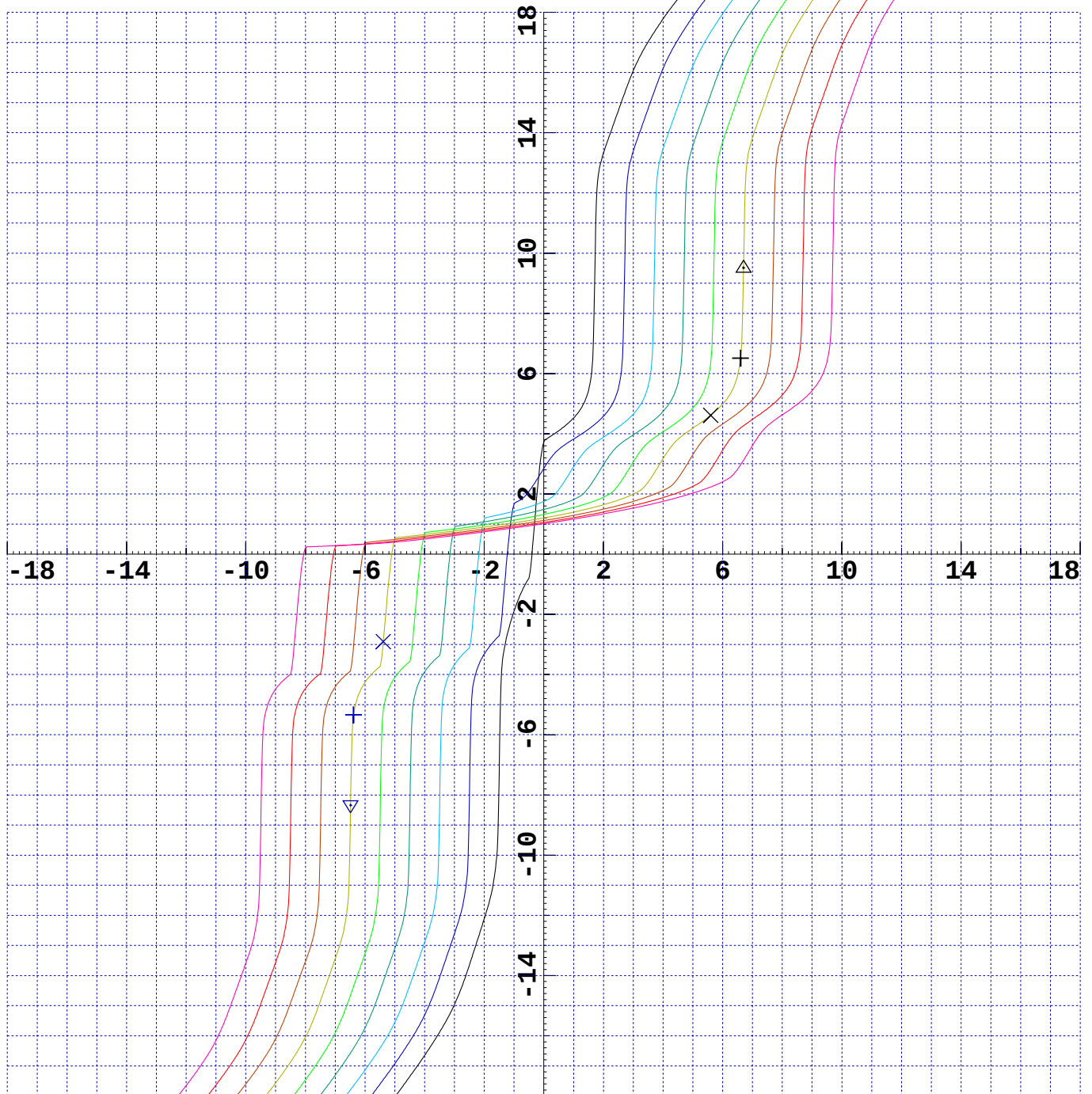
Gauge= 1425 —
 1427 —
 1429 —
 1431 —
 1433 —
 1435 —
 1437 —
 1439 —
 1441 —

Radial Steering Index

× = $\Delta r_E = 4.61$ left curve
 × = $\Delta r_E = 2.91$ right curve
 + = $A0r = 6.60$ 6.51
 + = $A0l = -6.39$ -5.34

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/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
 wprof_lat_shift=0 Gauge= 1425-1441

rr-rl

Ident: kpfr_008

GENSYS-KPF.1308

Delta_Y=

.1

.5

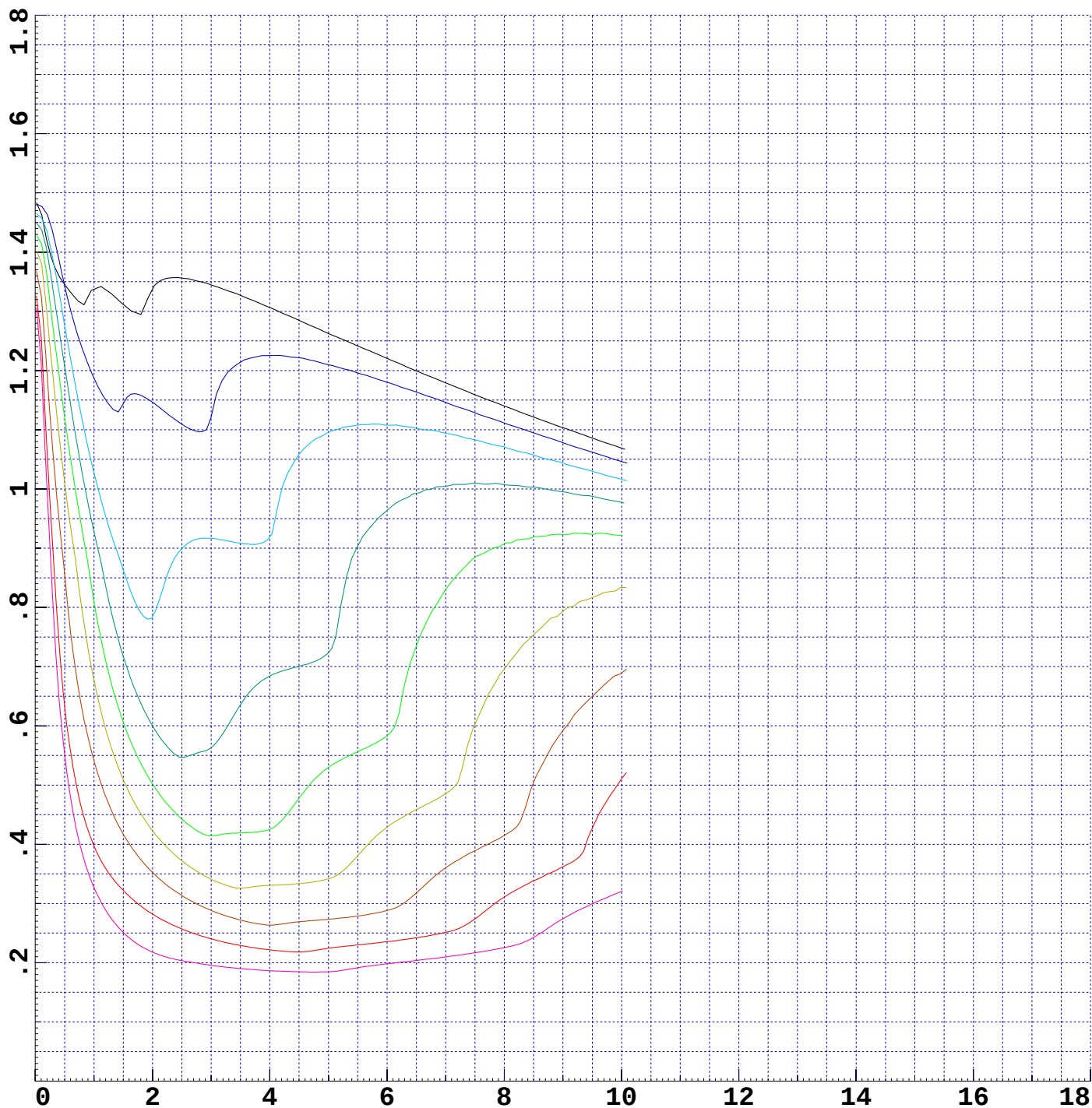
2

3

4

6

Gauge=	1425	—	1.465	1.345	1.337	1.345	1.306	1.220
	1427	—	1.477	1.344	1.146	1.122	1.225	1.180
	1429	—	1.458	1.278	.785	.917	.919	1.108
	1431	—	1.439	1.208	.600	.563	.684	.964
	1433	—	1.415	1.122	.502	.414	.425	.583
	1435	—	1.383	1.011	.423	.341	.331	.429
	1437	—	1.328	.856	.352	.288	.264	.288
	1439	—	1.254	.635	.282	.240	.222	.236
	1441	—	1.215	.552	.218	.196	.187	.198



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

Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail

wprof_lat_shift= 0 Gauge= 1425-1441

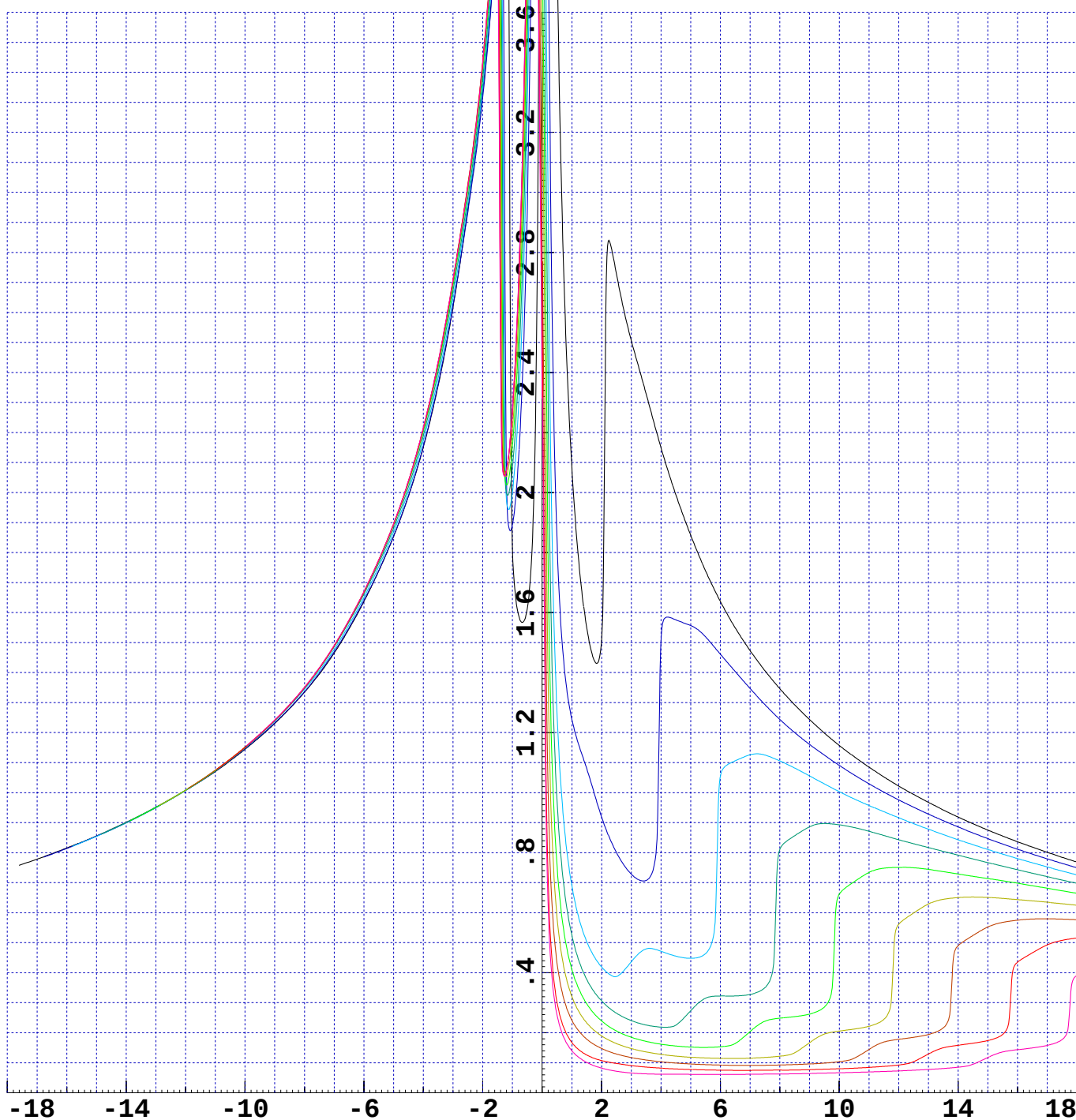
UIC519

Ident: kpfr_008

GENSYS-KPF.1308

Delta_Y=

		.1	.5	2	3	4	6
Gauge=	1425	5.950	3.835	1.516	2.505	2.148	1.637
	1427	4.794	1.842	.919	.728	1.509	1.461
	1429	3.976	1.265	.419	.436	.471	1.059
	1431	3.403	.972	.306	.241	.219	.322
	1433	2.904	.761	.239	.185	.162	.153
	1435	2.417	.587	.189	.147	.128	.115
	1437	1.863	.430	.147	.117	.103	.092
	1439	1.396	.302	.107	.090	.082	.075
	1441	1.227	.259	.082	.066	.062	.061

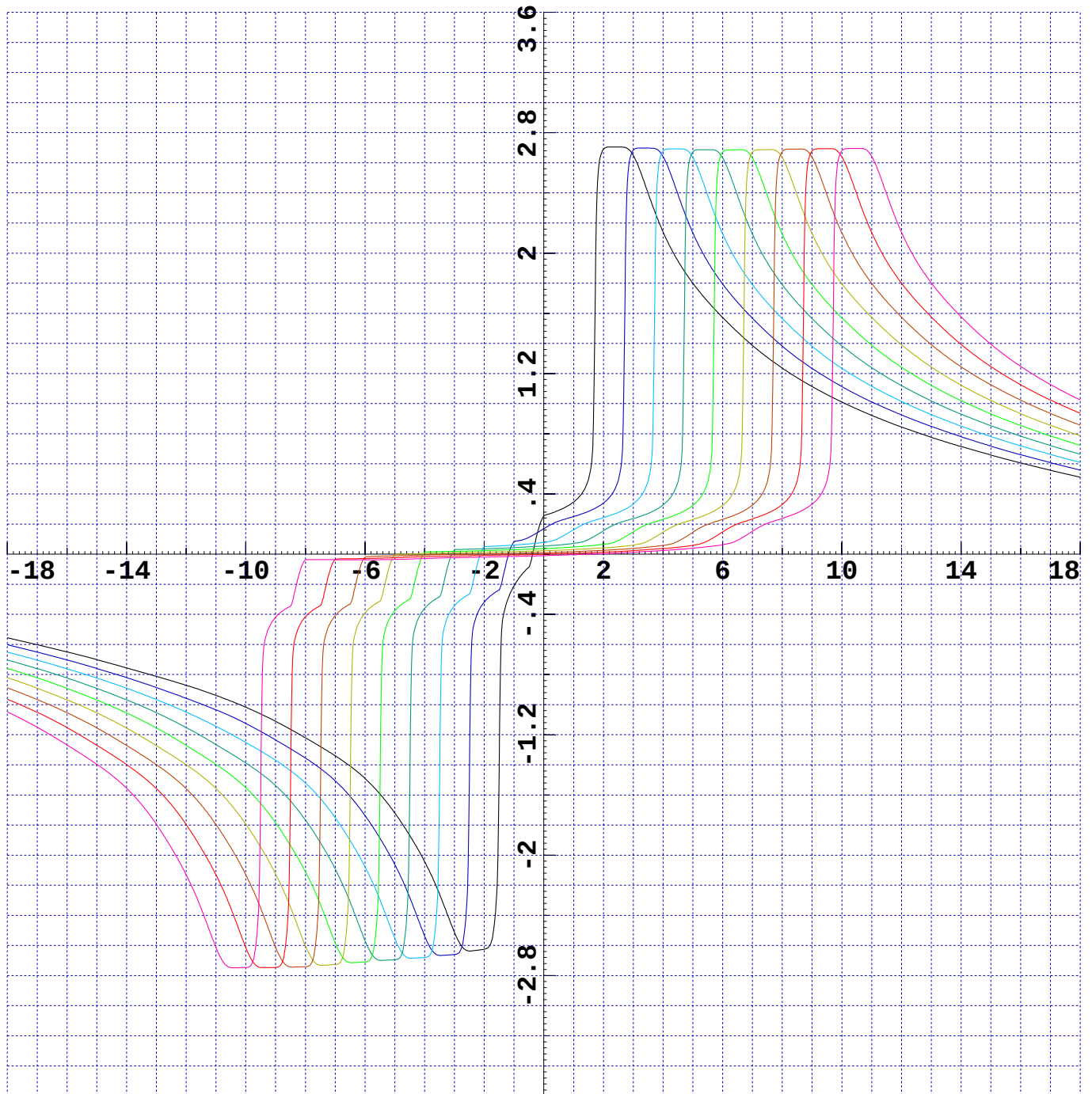


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **lambda**
 Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
 wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_008

GENSYS-KPF.1308

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

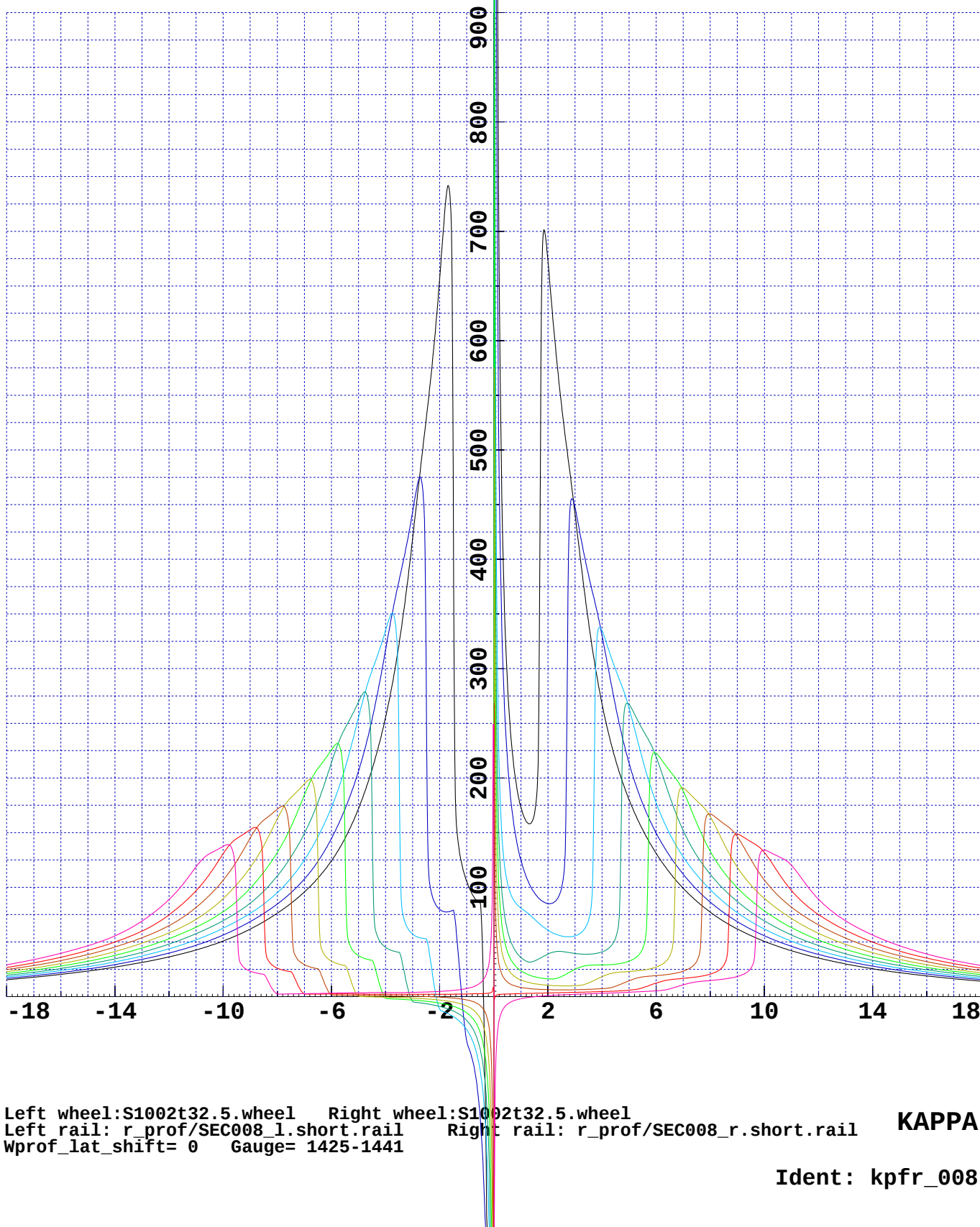


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel tan_Ga
 Left rail: r_prof/SEC008_l.short.rail Right rail: r_prof/SEC008_r.short.rail
 Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_008

GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	1309.14	290.44	672.72	441.39	267.53	131.03
1427	—	902.44	219.11	85.06	447.39	330.21	149.55
1429	—	405.07	104.72	60.78	55.60	334.72	177.38
1431	—	276.86	61.39	38.87	39.42	40.94	219.33
1433	—	189.19	41.66	16.28	24.90	28.93	222.57
1435	—	117.64	26.33	10.33	10.01	18.23	26.96
1437	—	55.82	13.48	6.33	6.29	7.27	19.21
1439	—	1.40	2.47	3.30	3.91	4.67	12.34
1441	—	-46.56	-7.00	.92	2.13	3.05	5.22



GENSYS-KPF.1308

Delta_Y=

.1

.5

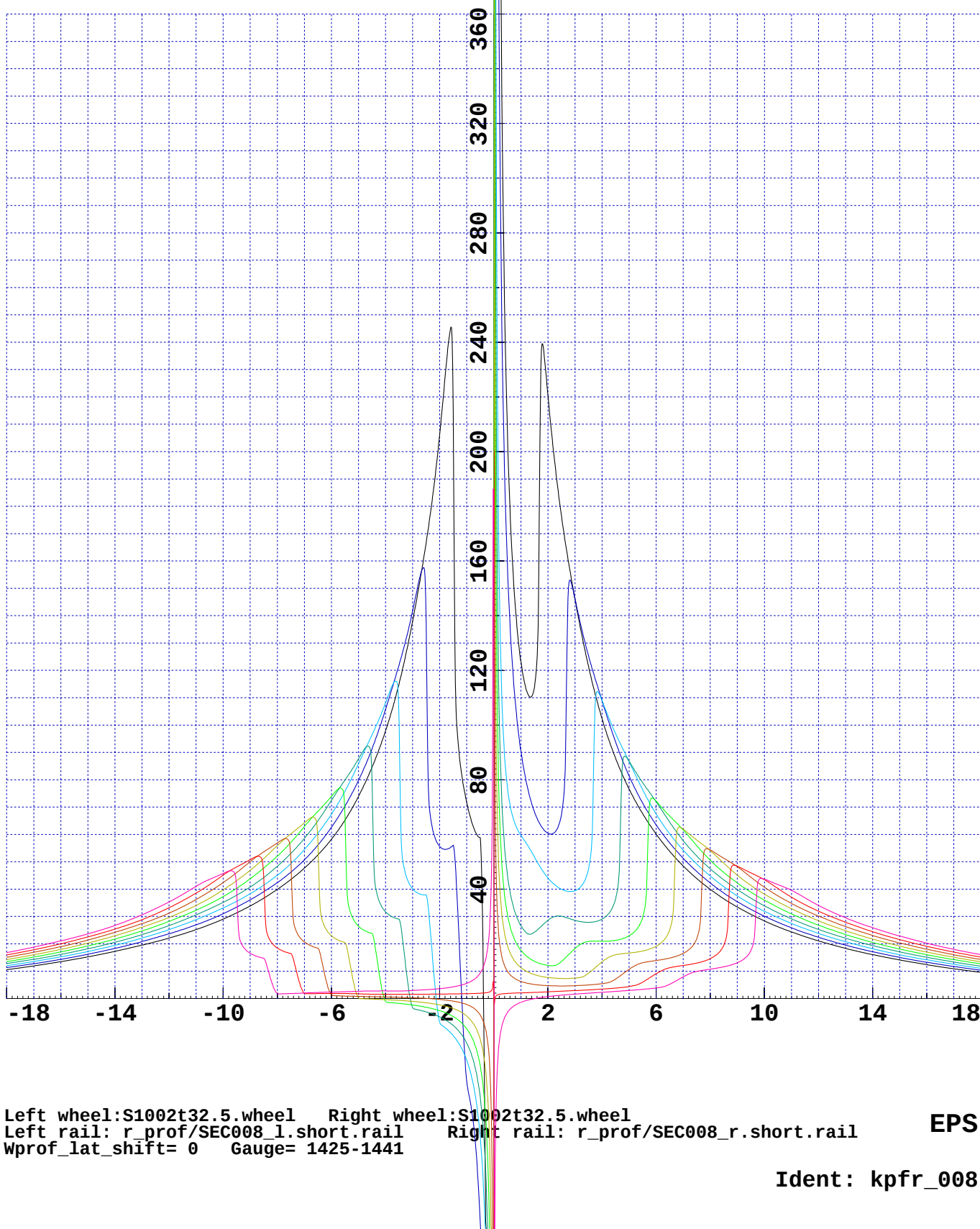
2

3

4

6

Gauge=	1425	— 949.54	209.34	220.38	145.93	102.30	60.16
	1427	— 663.51	160.00	60.44	146.10	108.83	63.47
	1429	— 301.42	77.71	44.07	39.46	108.96	67.48
	1431	— 206.39	45.73	28.60	28.56	29.03	71.95
	1433	— 141.17	31.07	12.11	18.31	20.95	72.21
	1435	— 87.83	19.65	7.69	7.44	13.39	19.10
	1437	— 41.69	10.07	4.72	4.68	5.41	13.91
	1439	— 1.05	1.84	2.46	2.91	3.47	9.07
	1441	— -34.80	-5.23	.69	1.59	2.27	3.88



EPS

Ident: kpfr_008

GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	10.70	2.33	1.07	1.35	1.44	1.40
1427	—	9.01	1.97	.68	.73	1.03	1.21
1429	—	8.15	1.72	.58	.47	.57	.98
1431	—	7.69	1.62	.50	.41	.37	.71
1433	—	7.37	1.55	.47	.36	.33	.41
1435	—	7.14	1.50	.45	.34	.29	.28
1437	—	7.01	1.47	.44	.33	.27	.24
1439	—	6.94	1.45	.43	.32	.26	.21
1441	—	6.95	1.45	.42	.31	.25	.19

