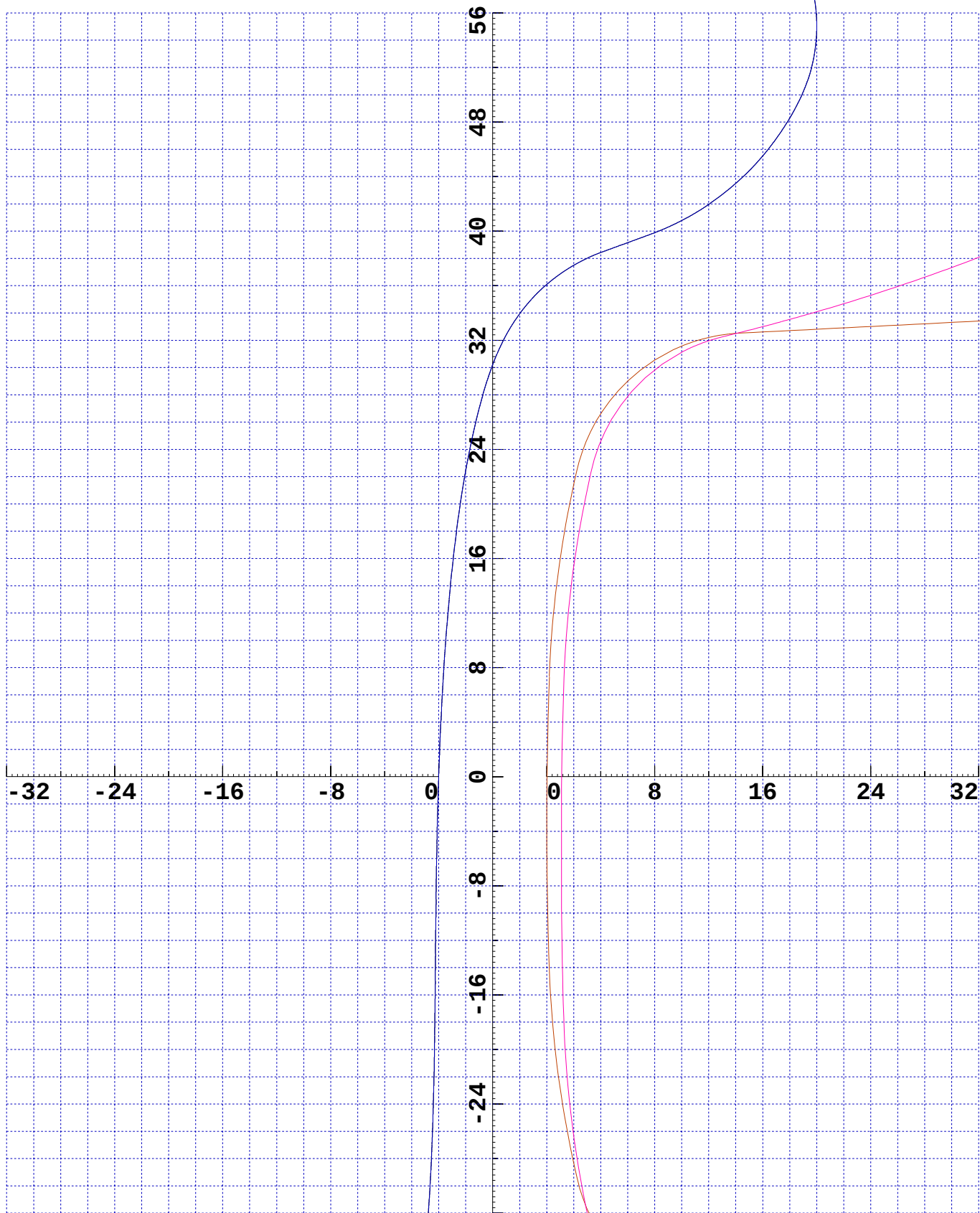
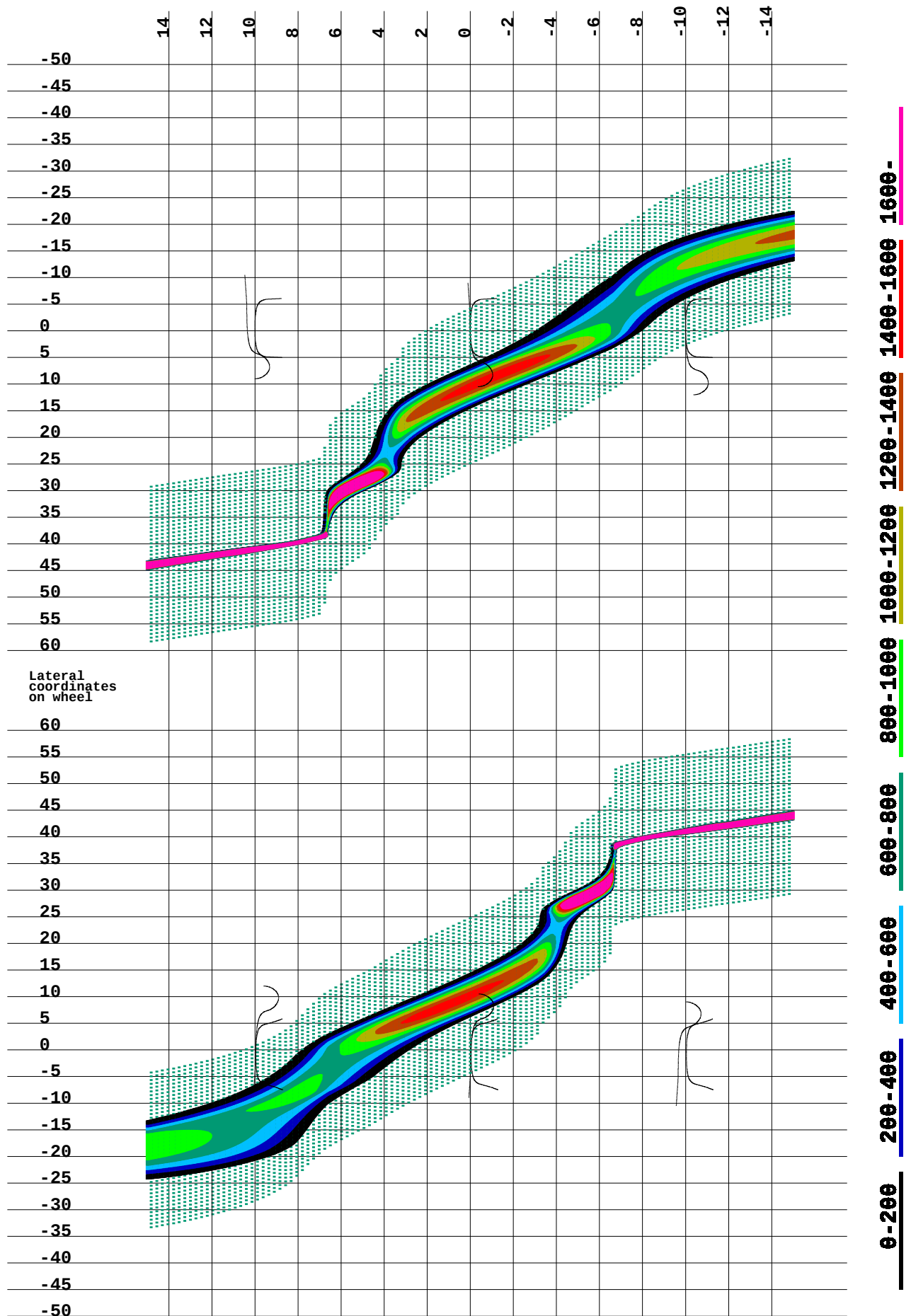


- Right wheel
- Left wheel
- Right rail
- Left rail



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel WRGEOM
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_024

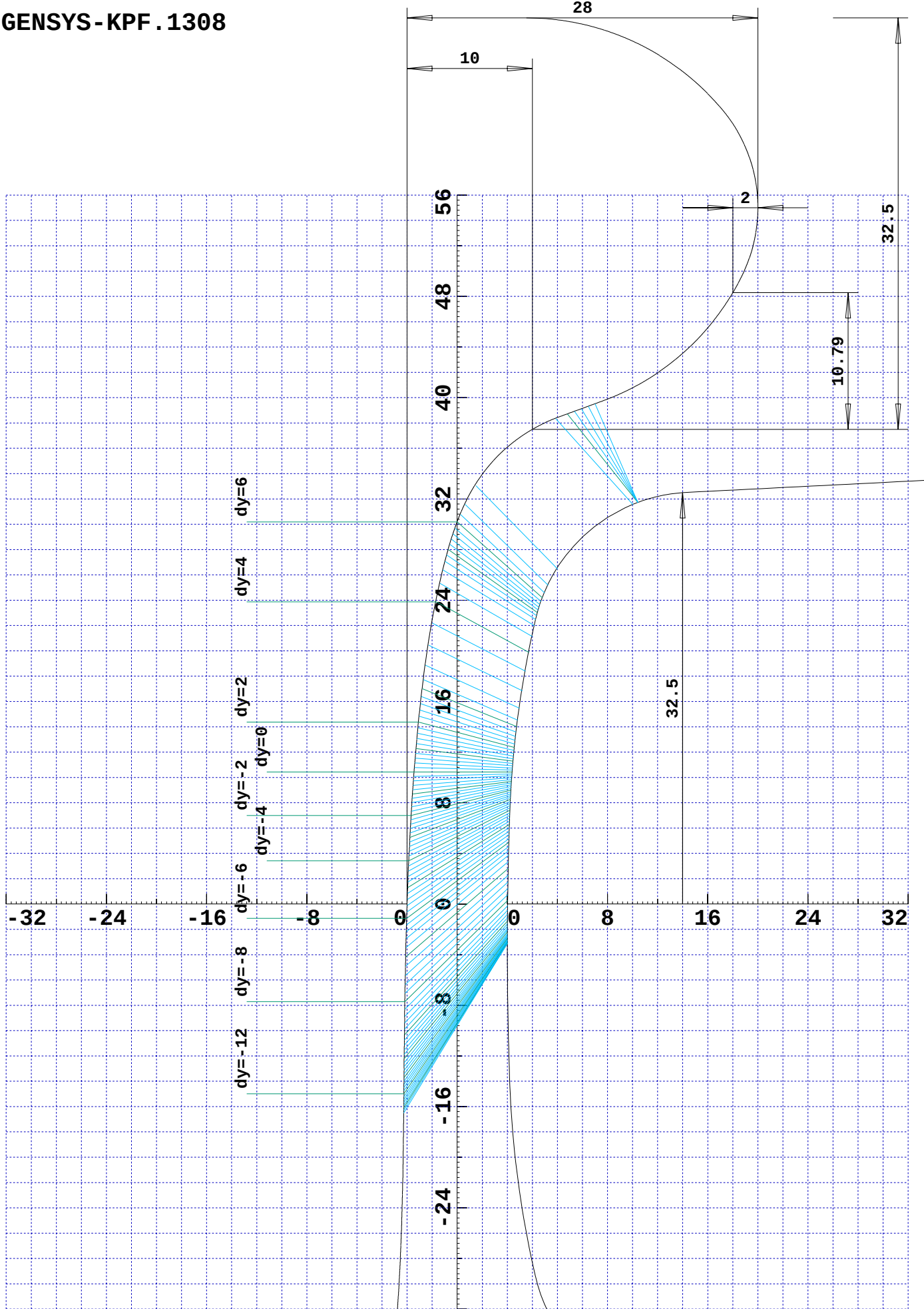


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel

Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.sho

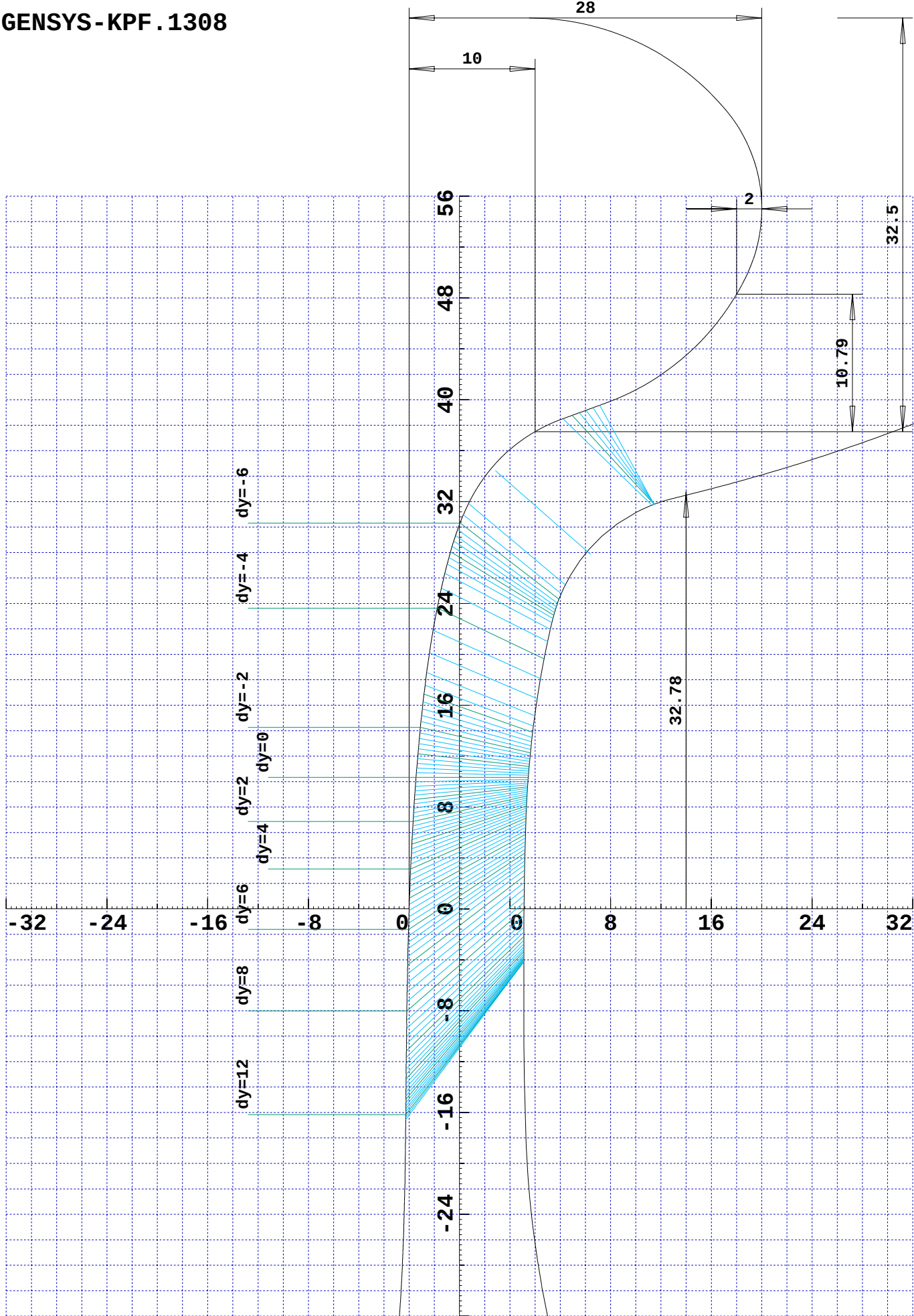
Wprof_lat_shift= 0 Gauge= 1425-1441

Contact Pressure



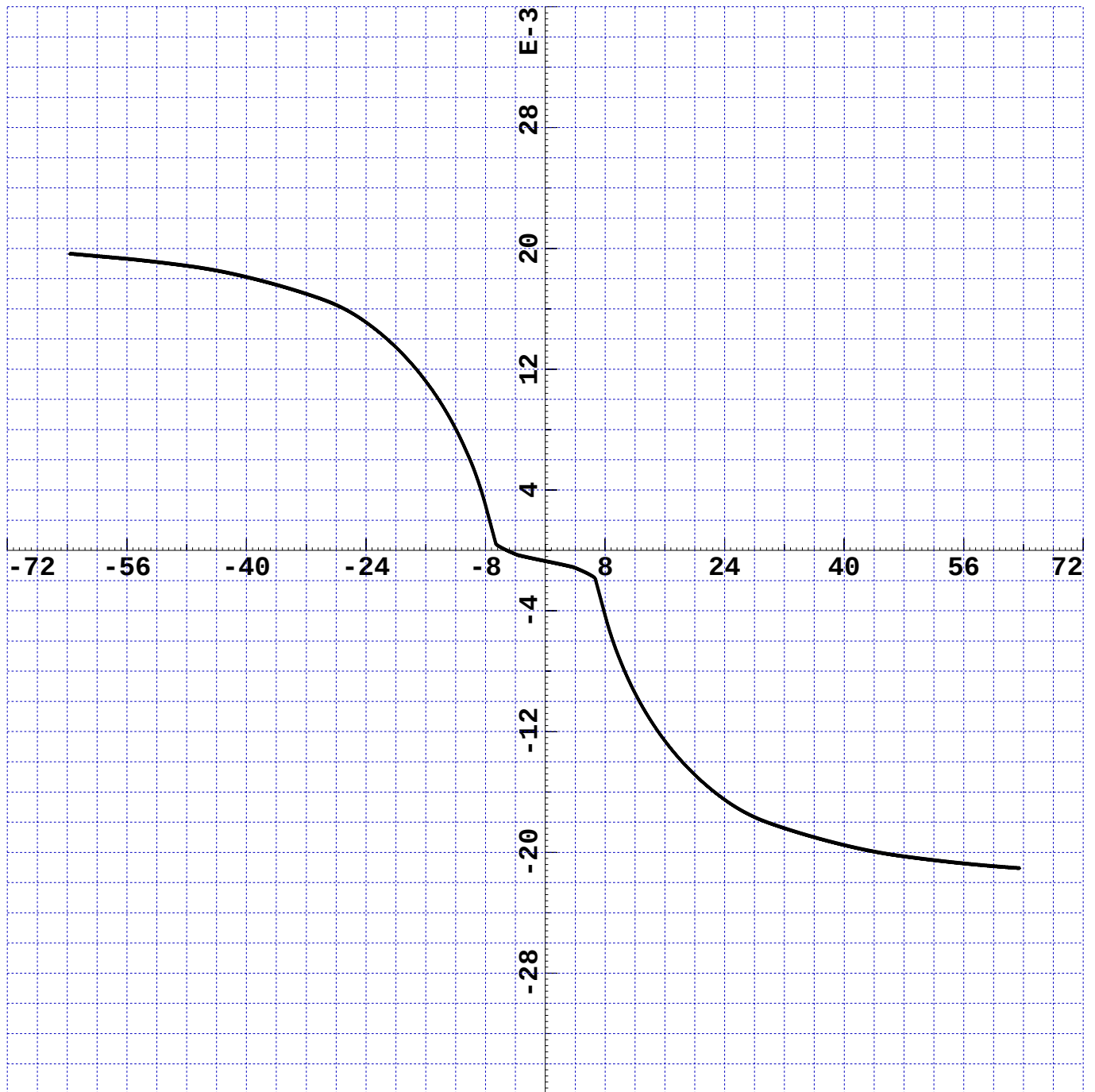
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel CONNr
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_024



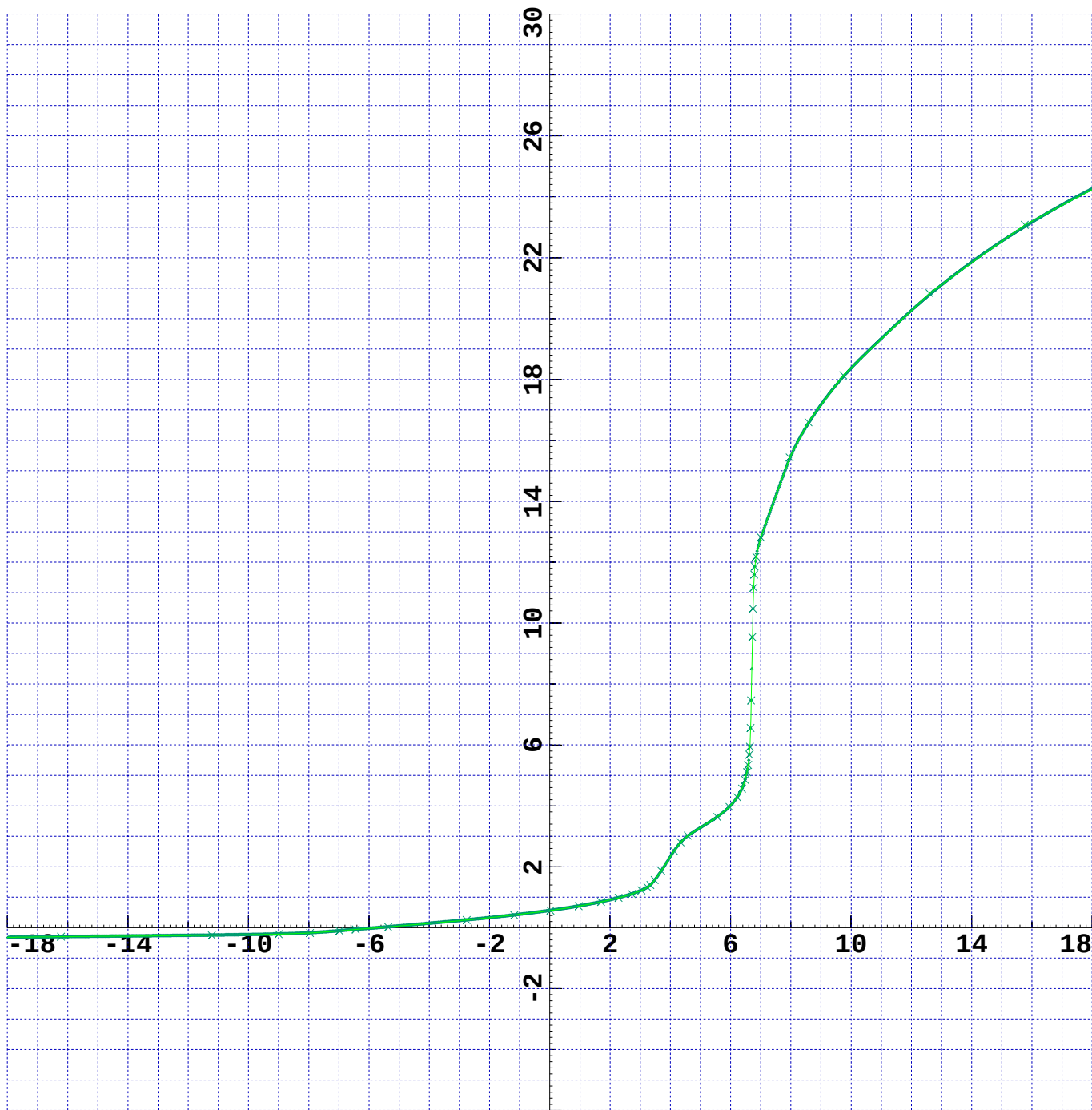
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **CONN1**
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_024



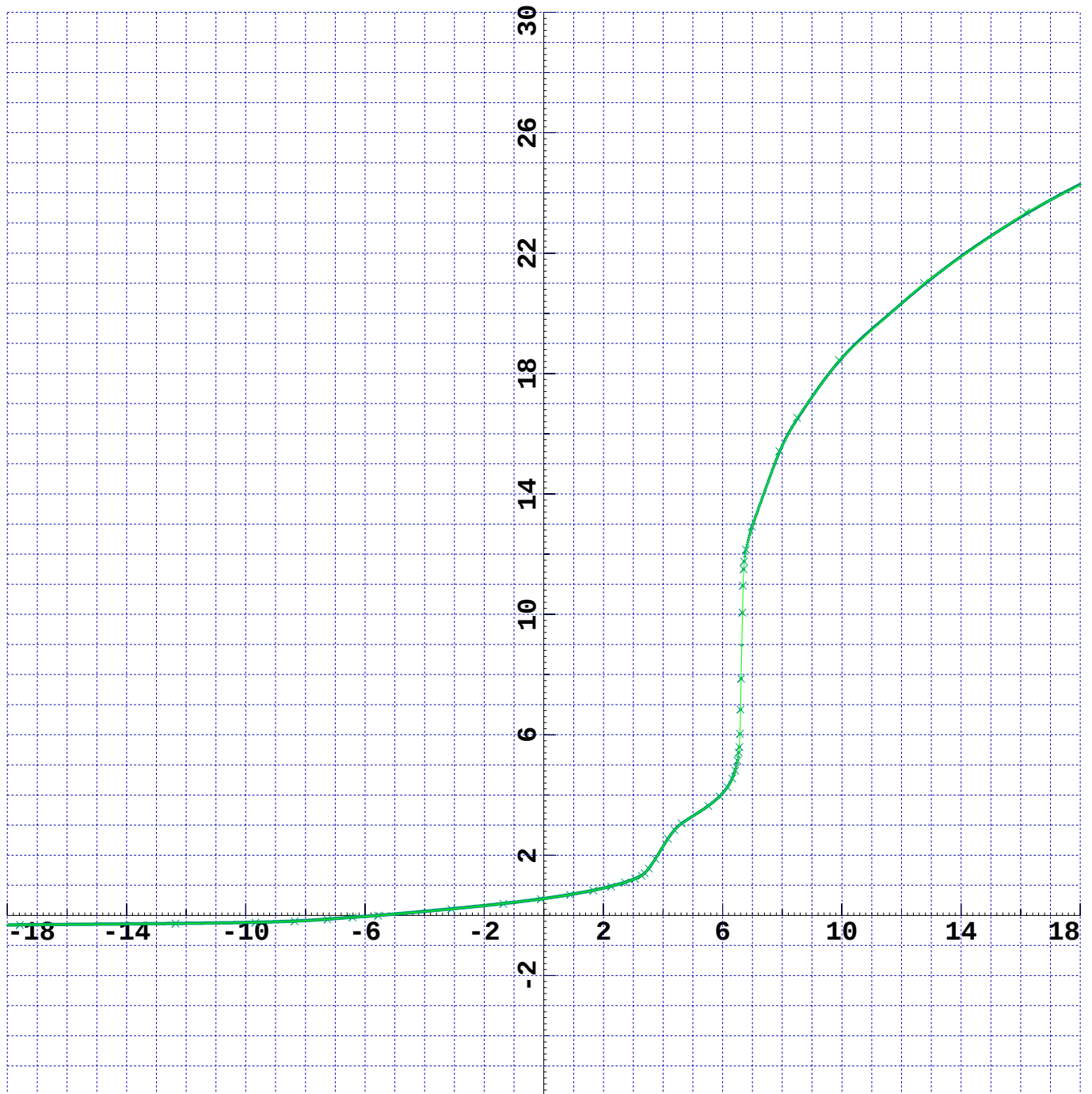
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **Flax1**
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_024



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel DRFNr
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

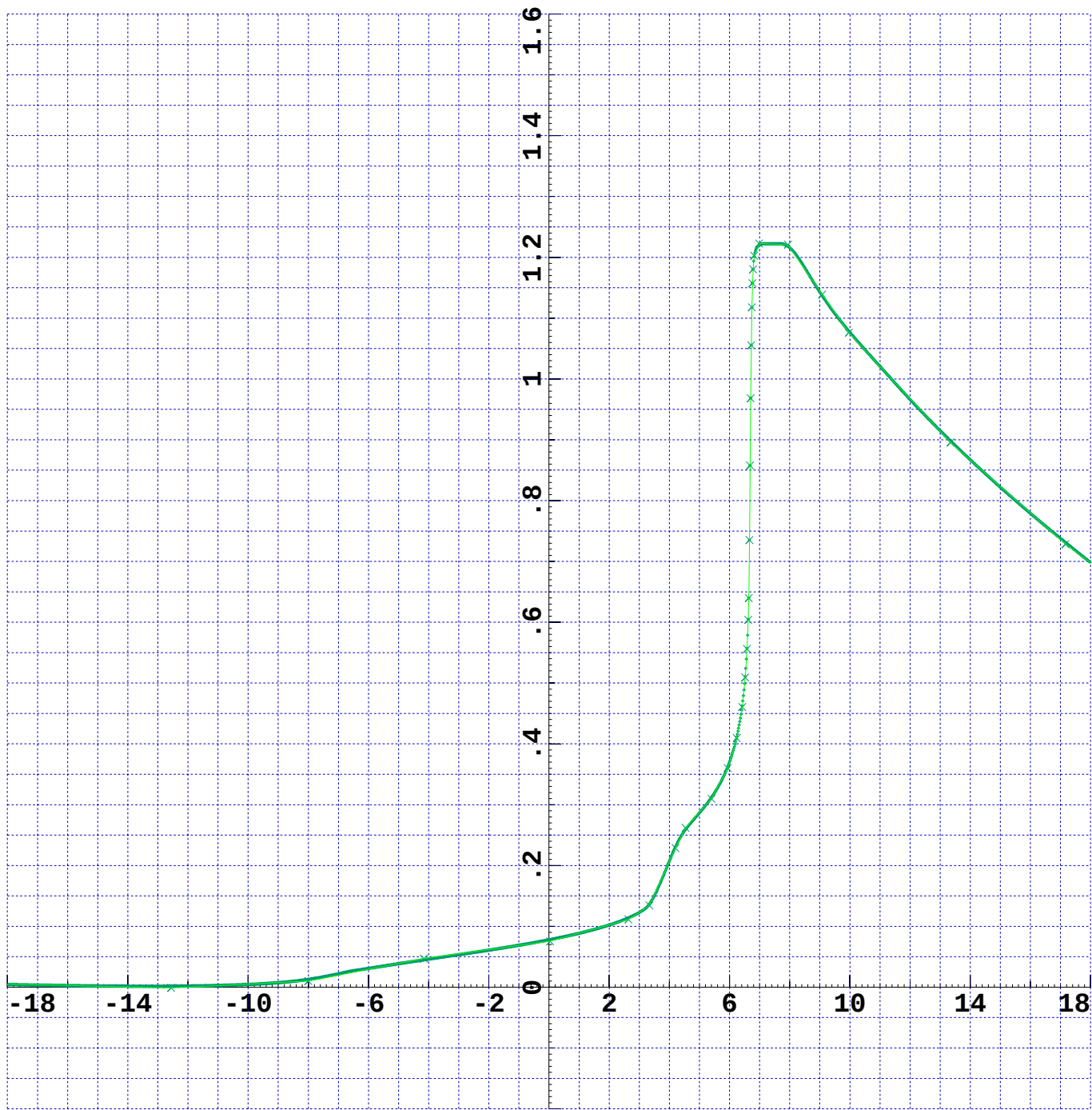
Ident: kpfr_024



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

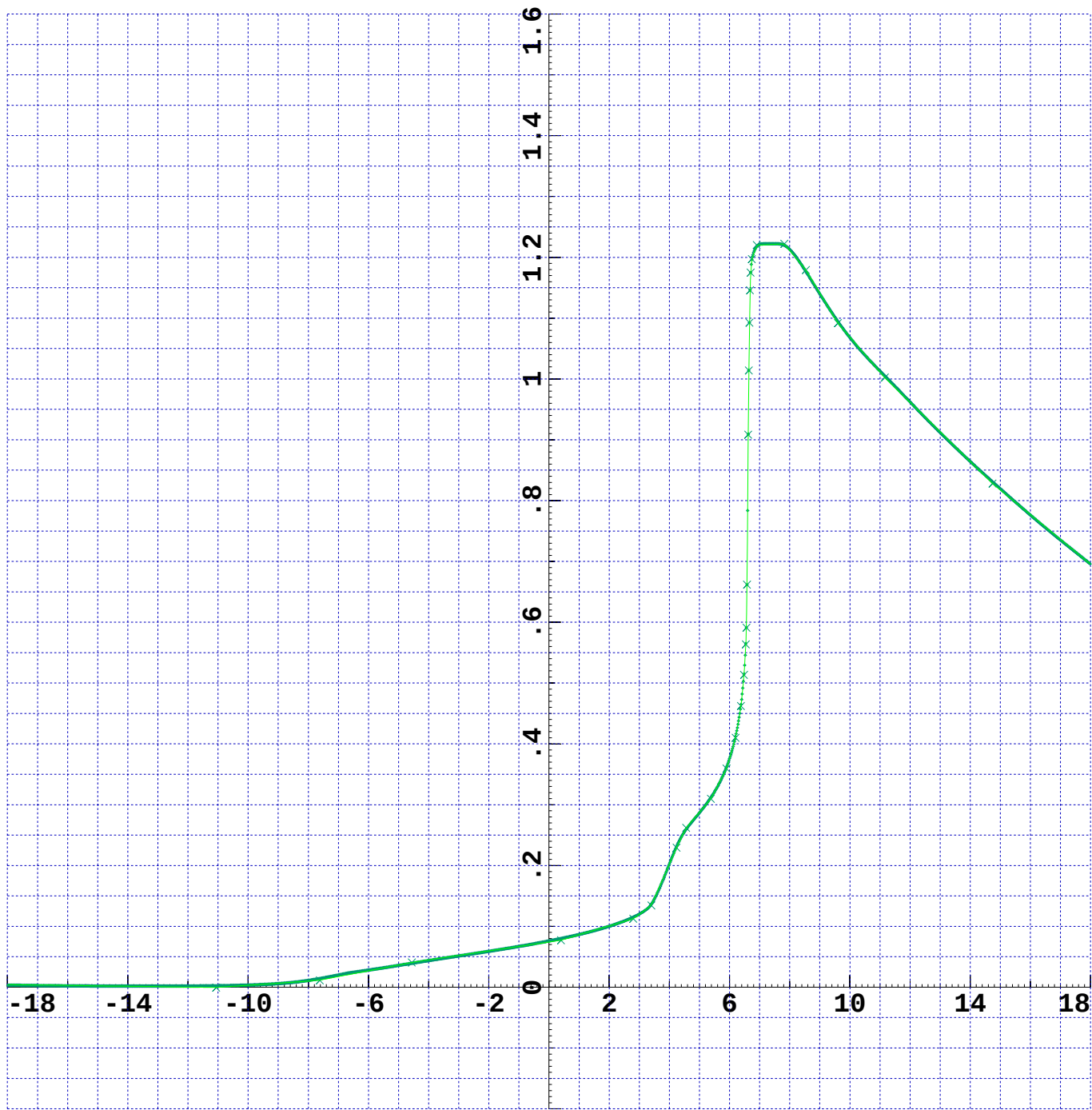
DRFN1

Ident: kpfr_024



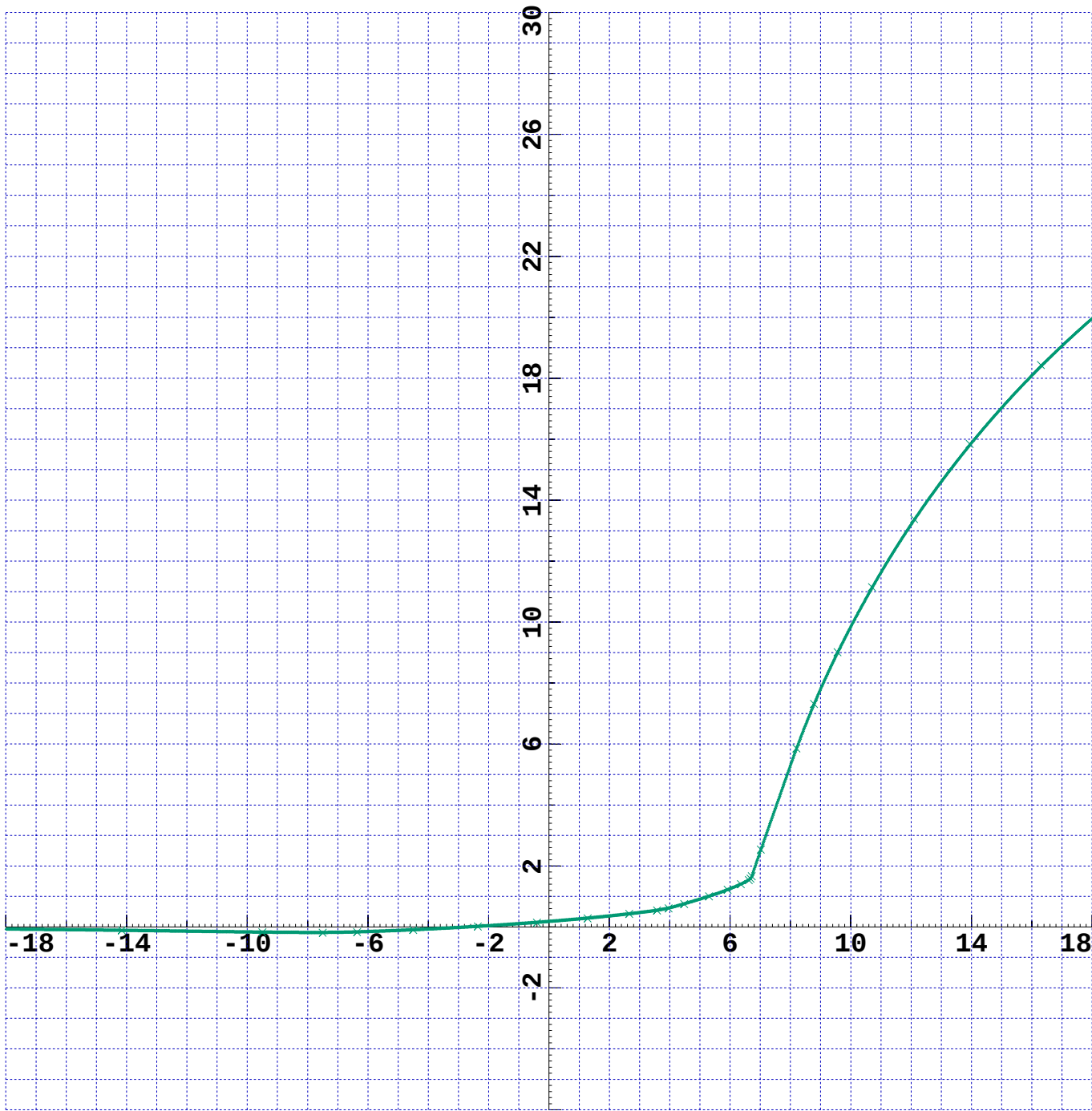
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel GAMFNr
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

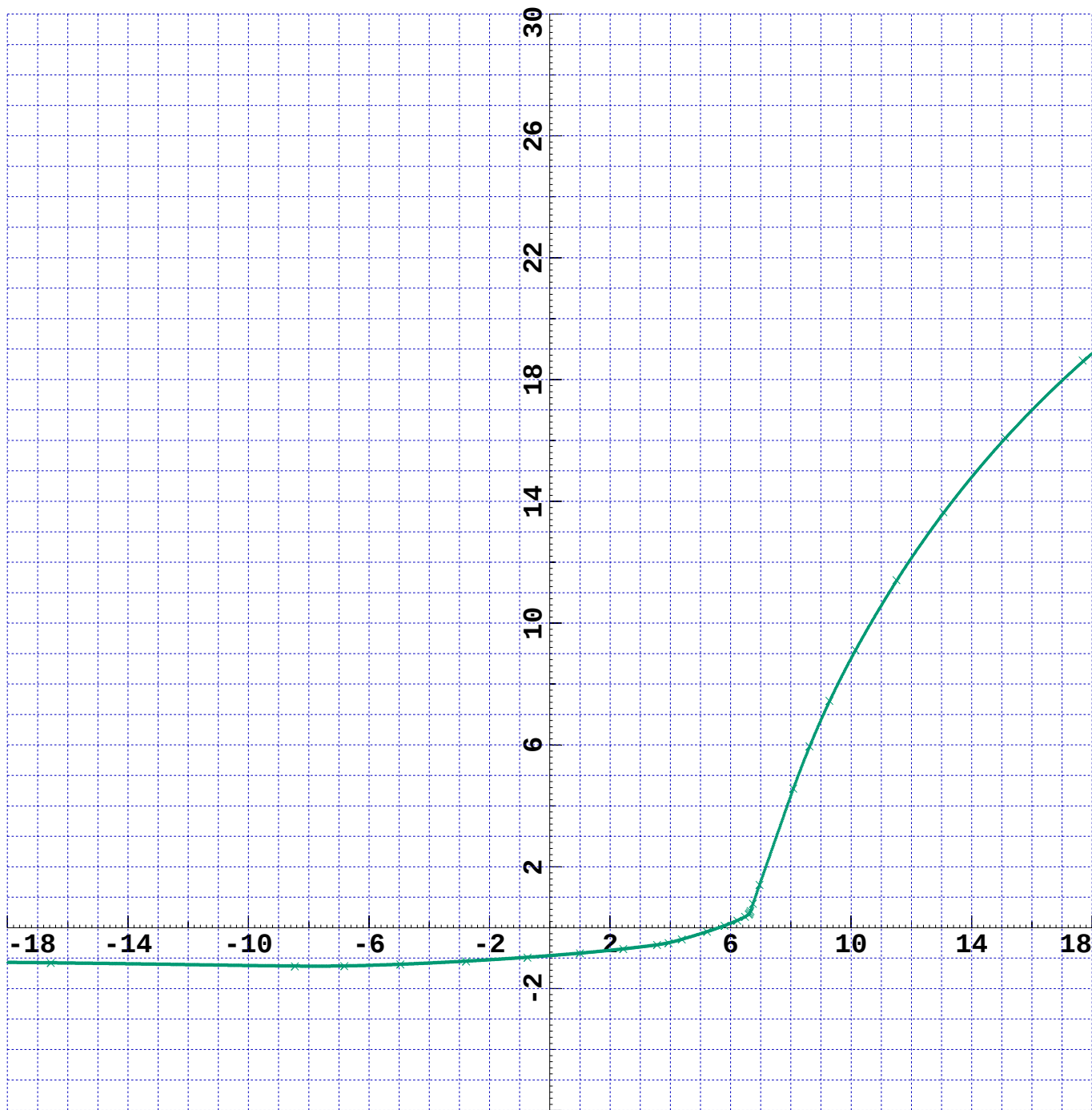
Ident: kpfr_024



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel GAMFN1
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_024





Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel ZFN1
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

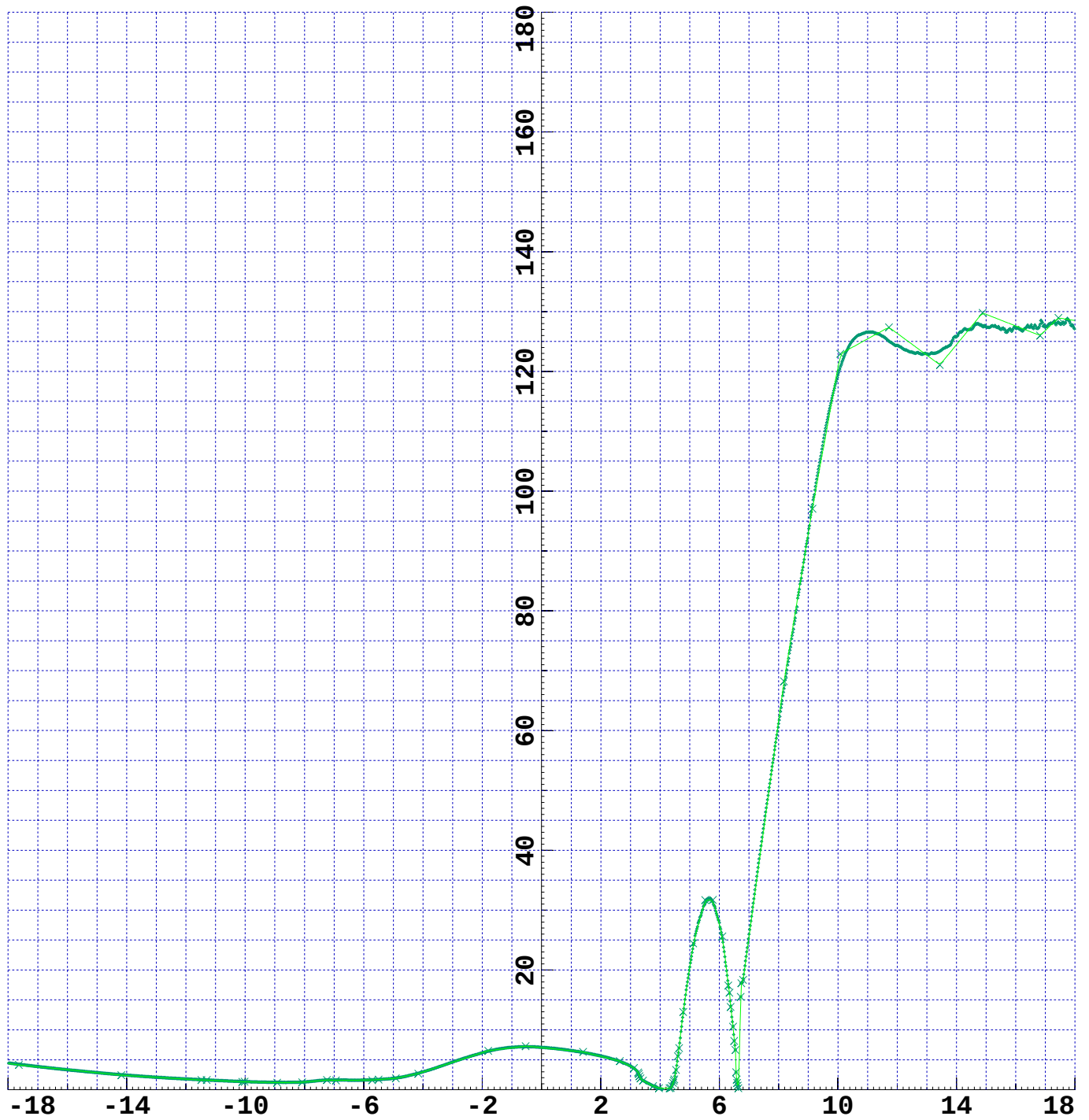
Ident: kpfr_024



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ROFNr

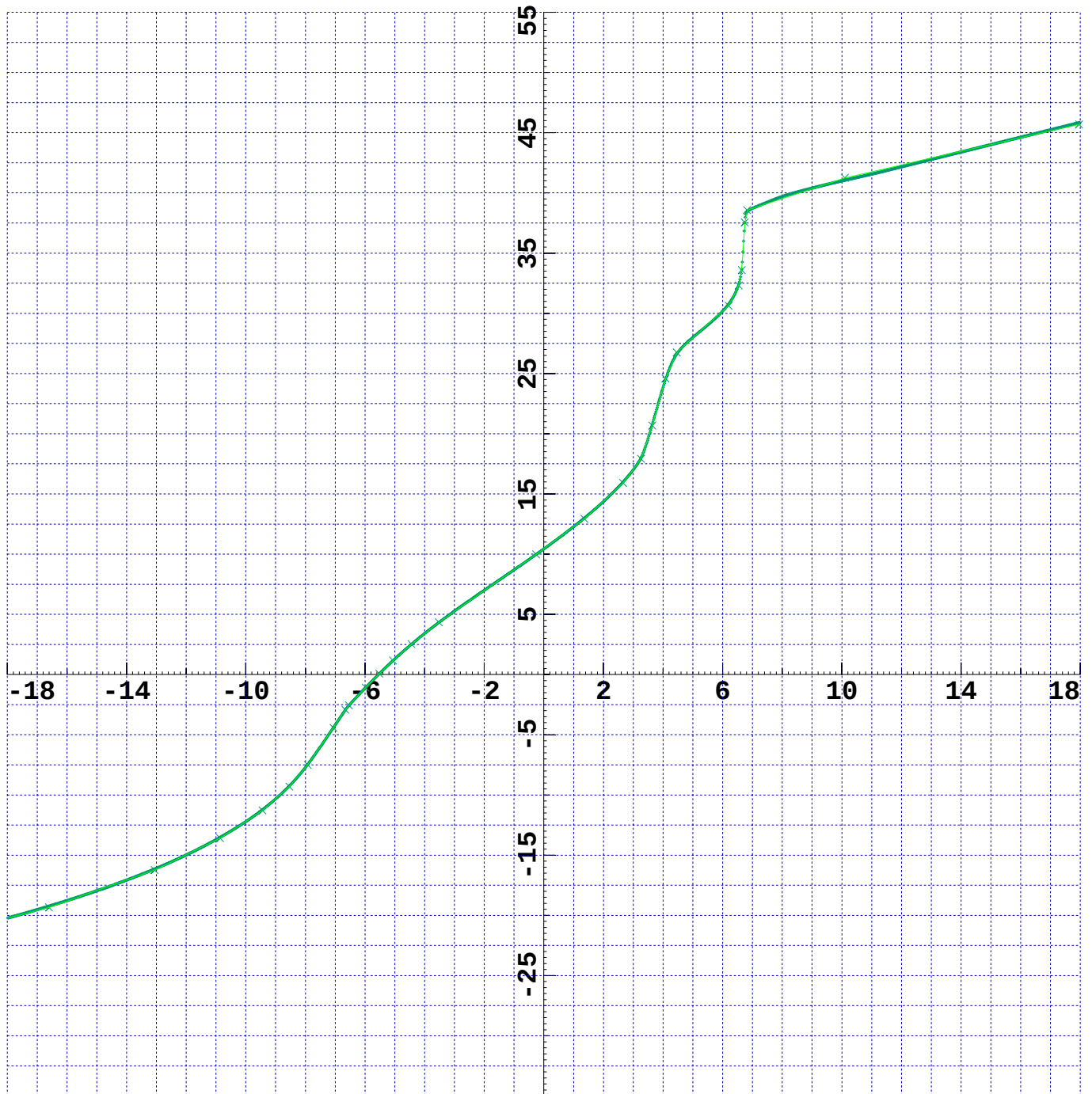
Ident: kpfr_024



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ROFN1

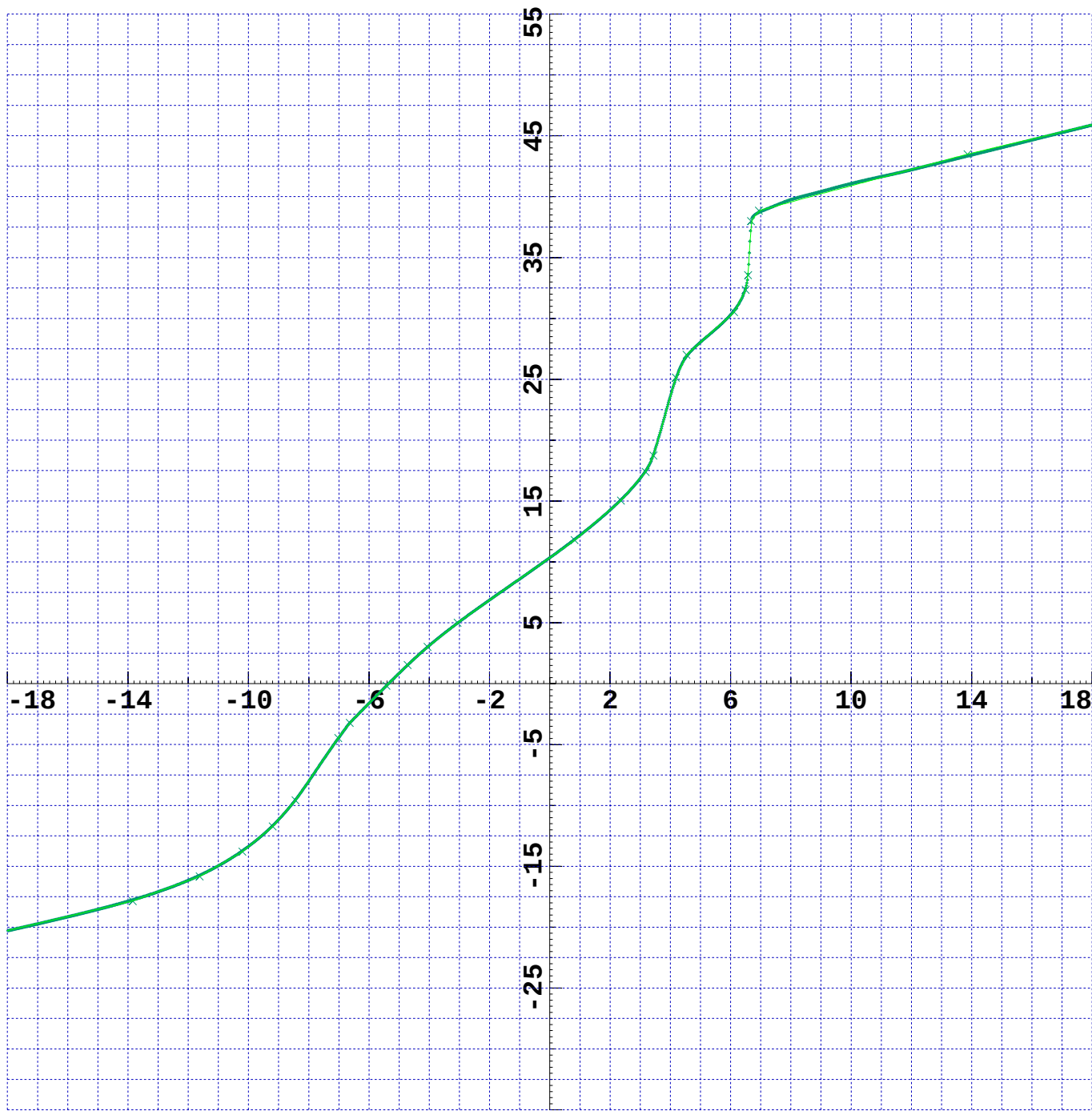
Ident: kpfr_024



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

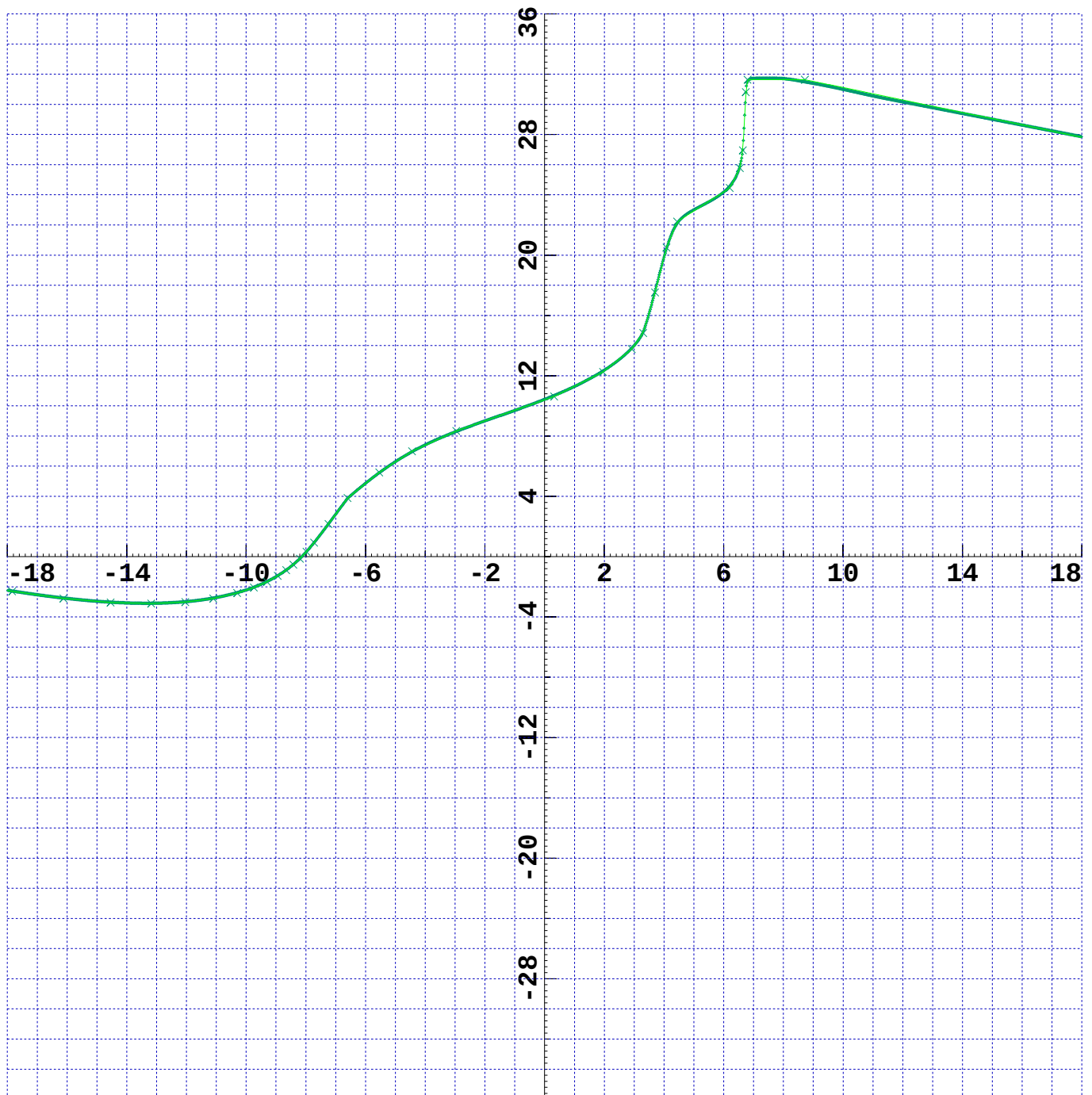
POSWr

Ident: kpfr_024



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel POSW1
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_024



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

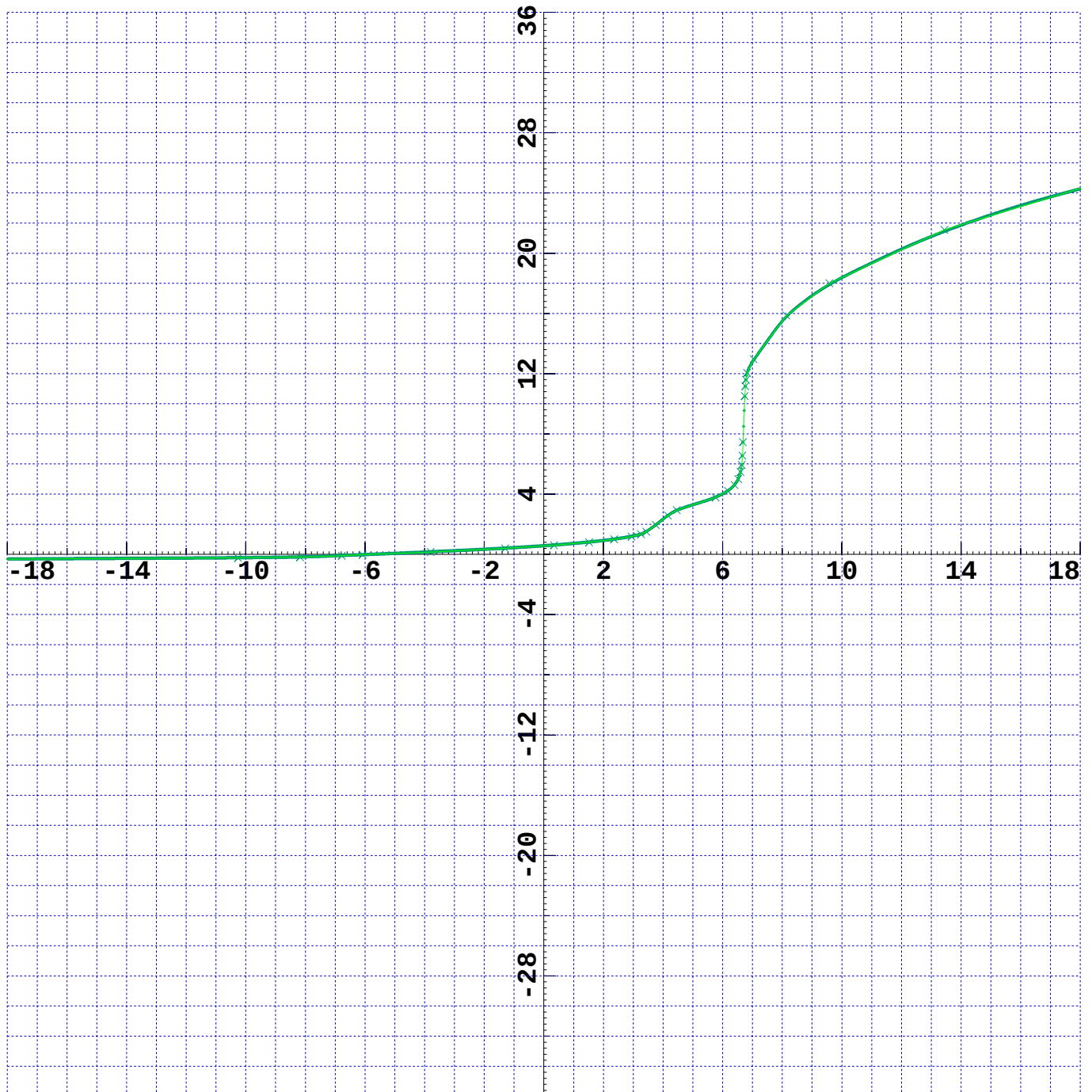
POSRR

Ident: kpfr_024



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel POSR1
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

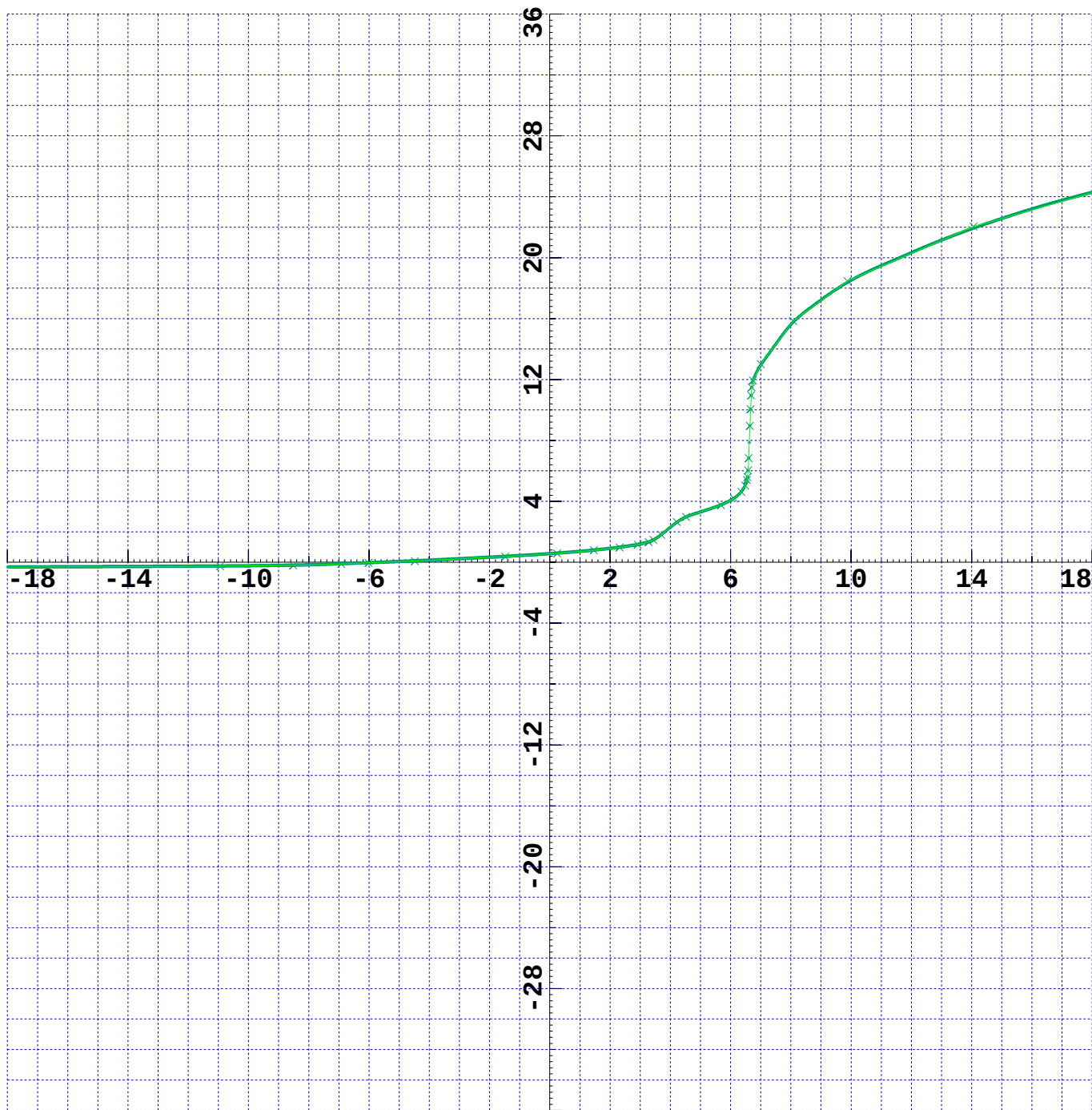
Ident: kpfr_024

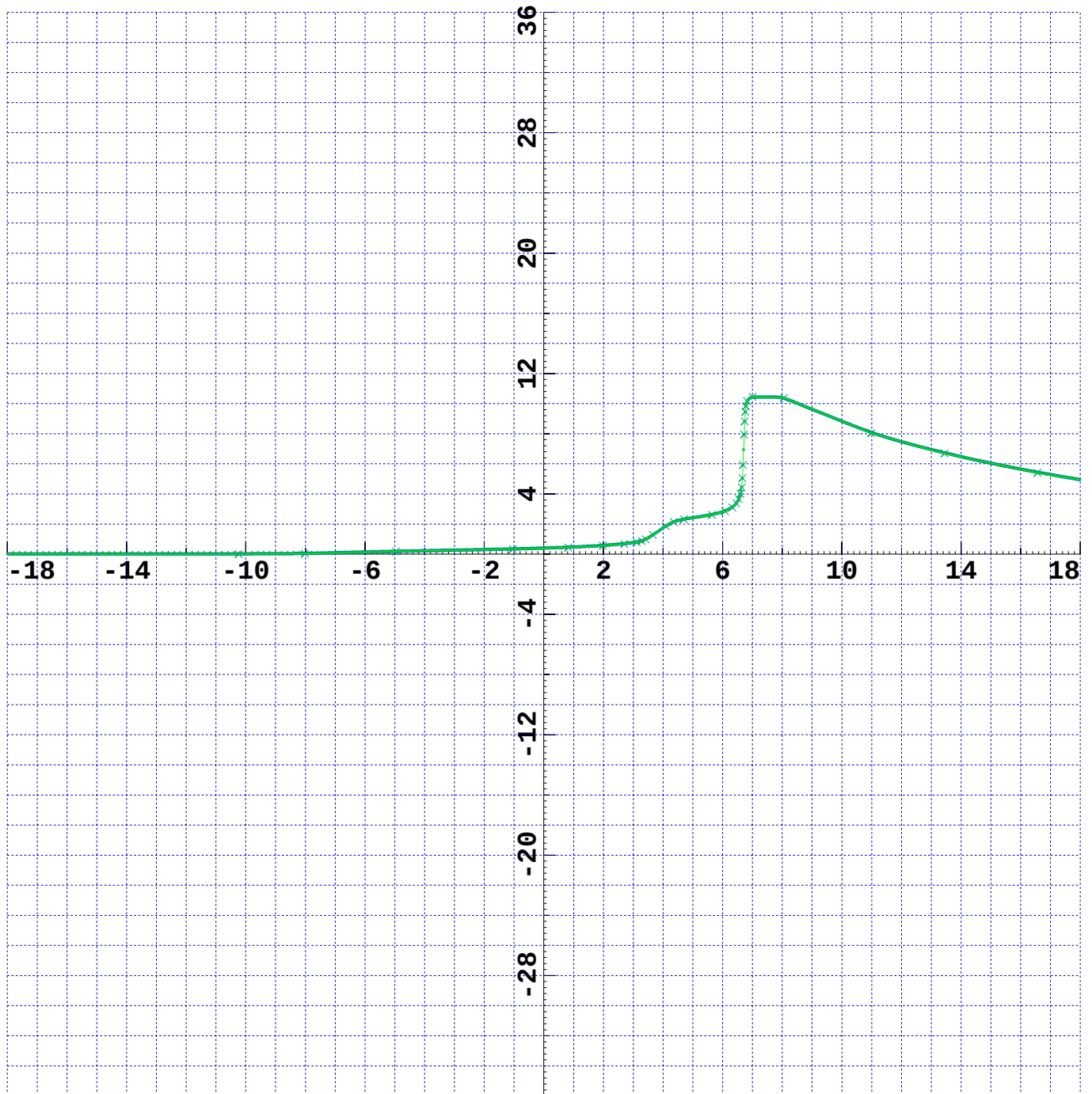


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ZWr

Ident: kpfr_024



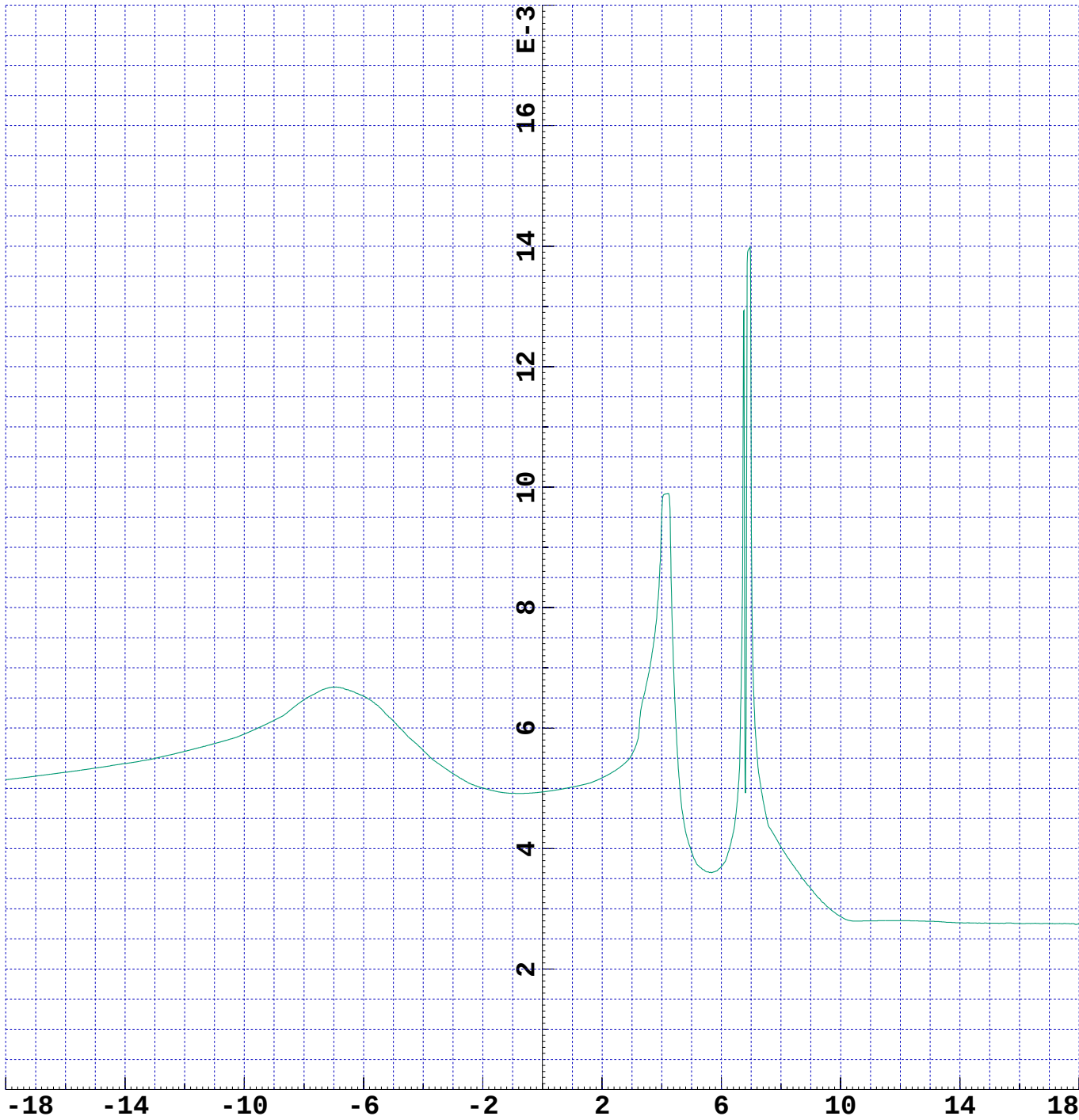


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ZRr

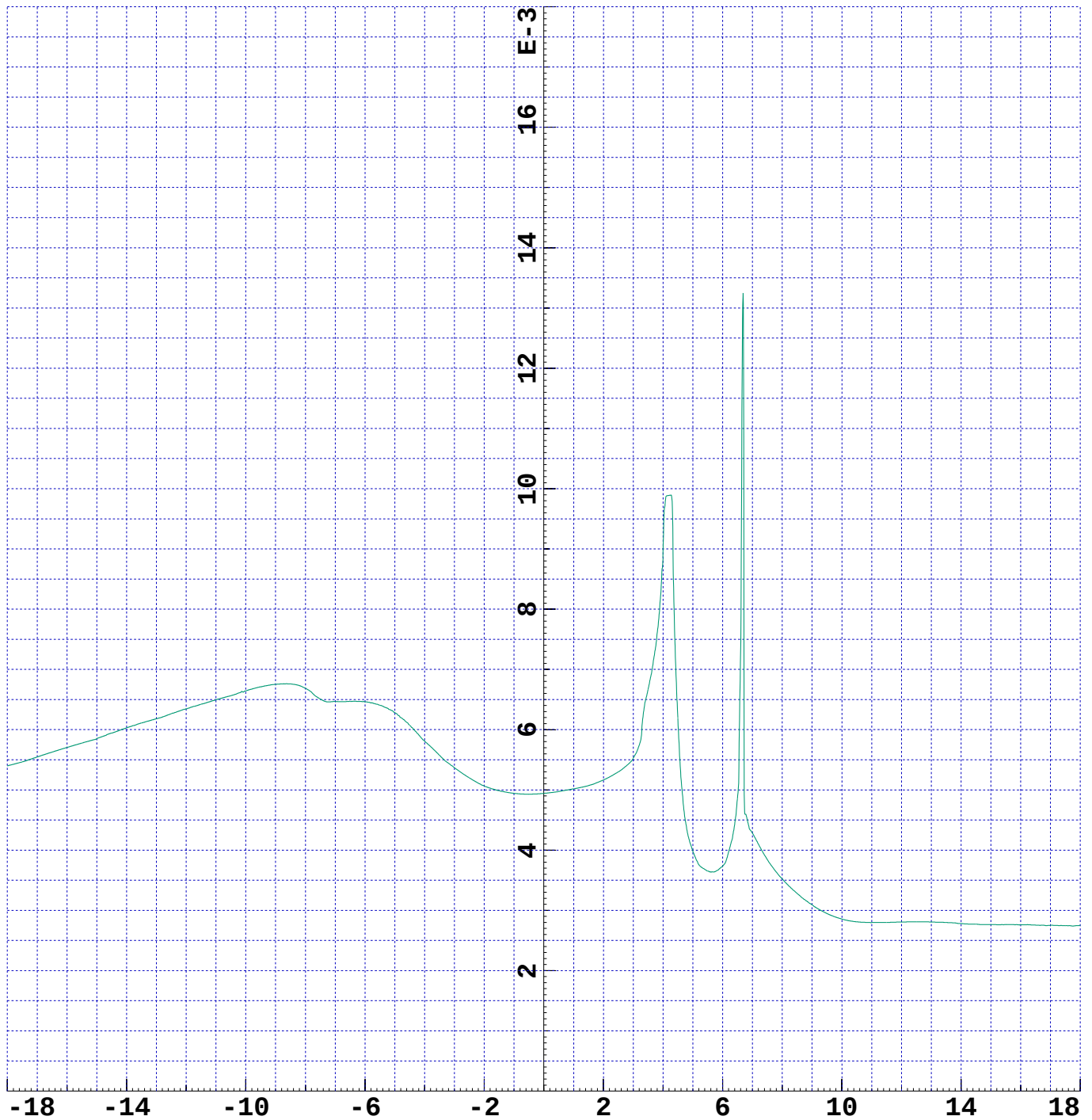
Ident: kpfr_024





Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel C_r
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

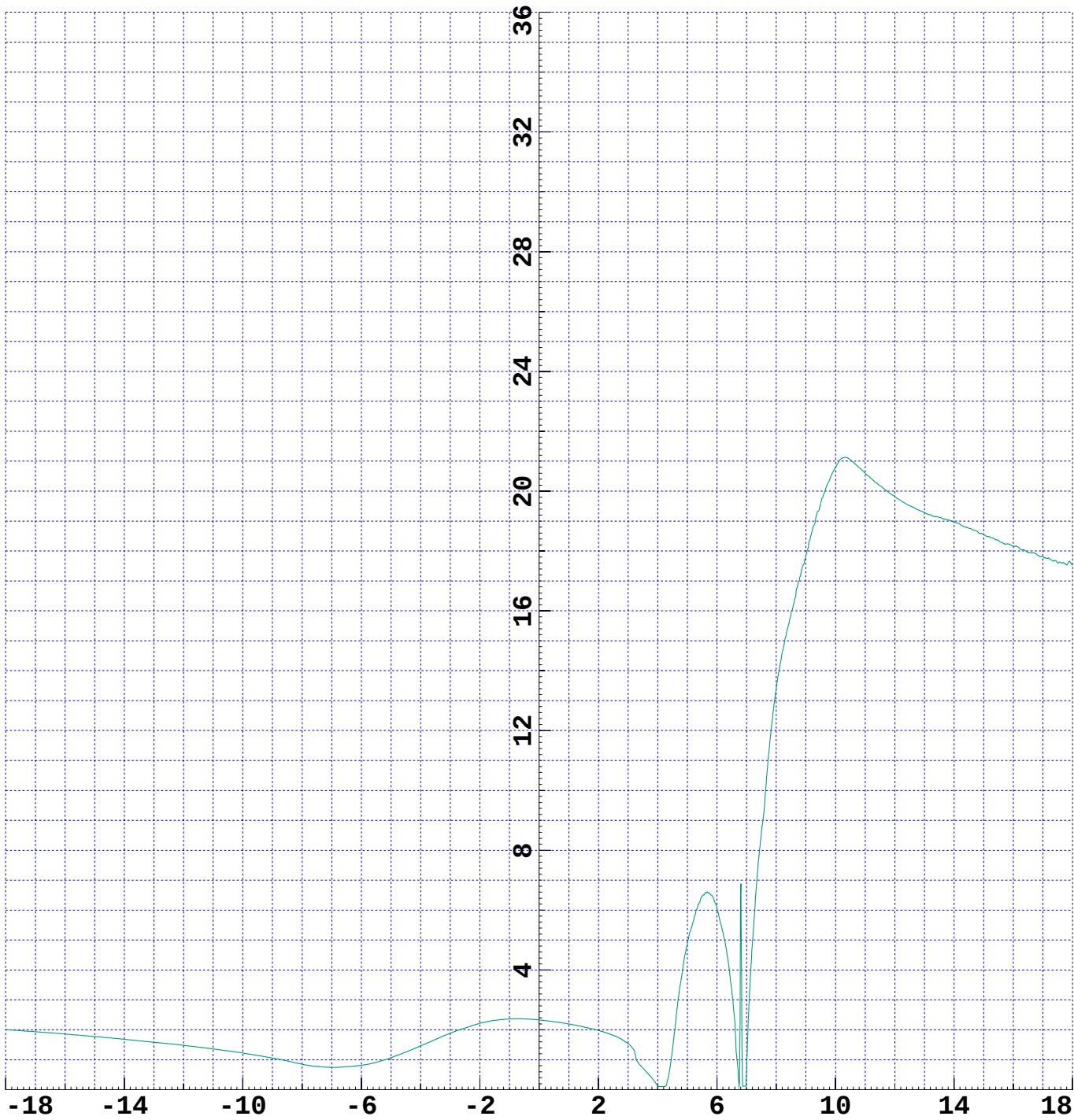
Ident: kpfr_024



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

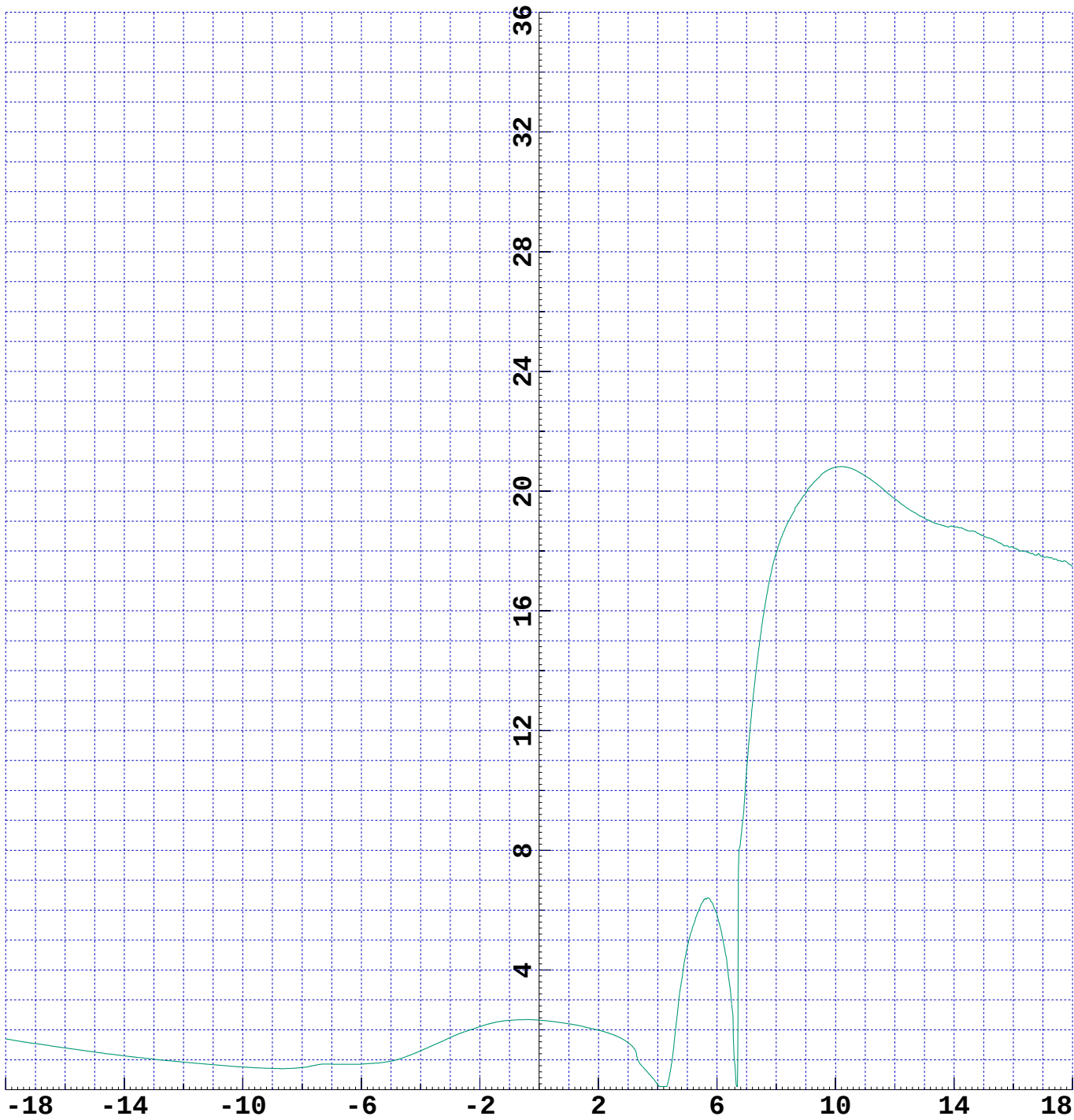
C_1

Ident: kpfr_024



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel A/B_r
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_024



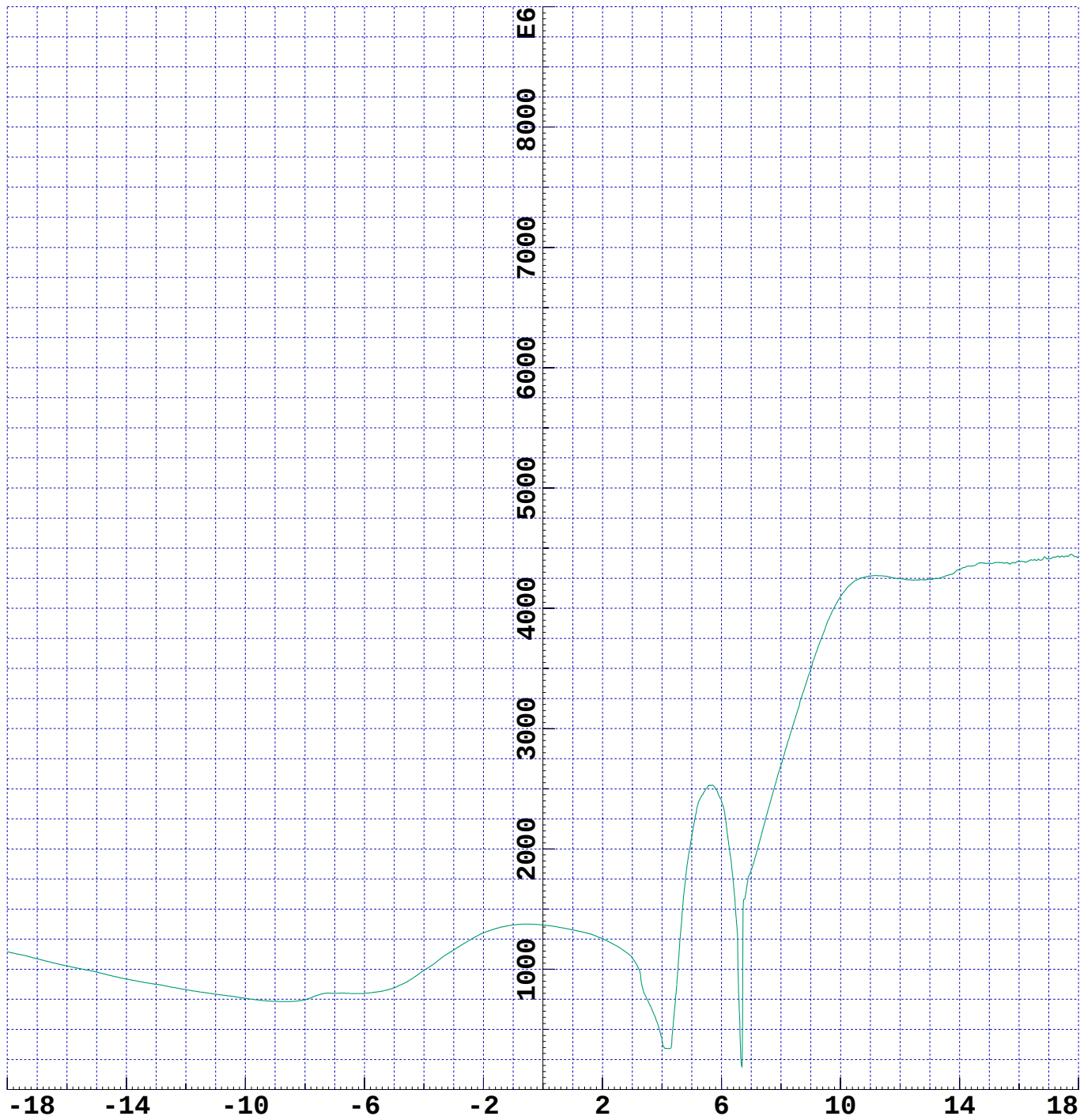
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel A/B_1
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_024



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel SIGMAR
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_024



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel **SIGMA1**
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_024

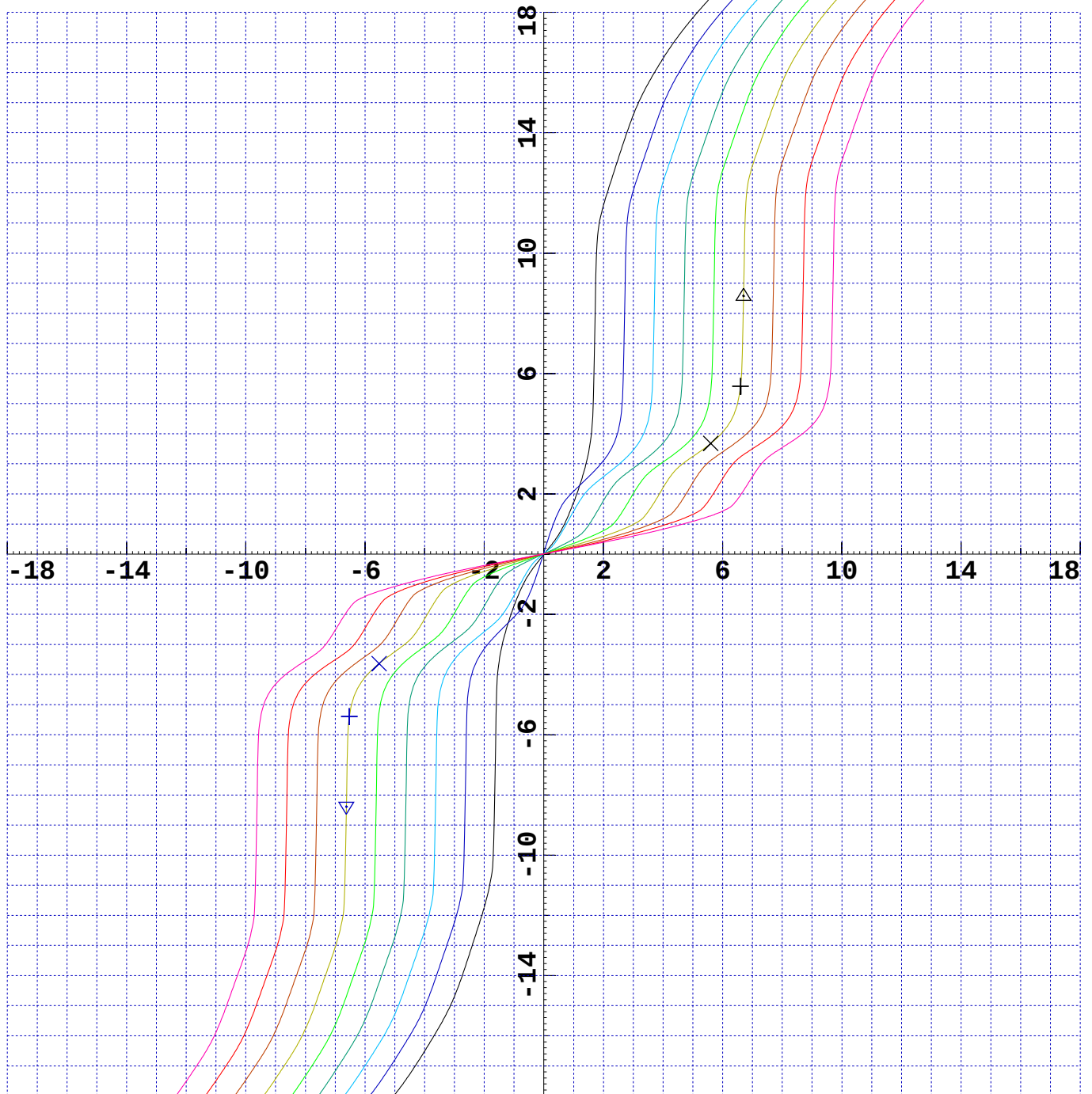
Gauge= 1425 —
 1427 —
 1429 —
 1431 —
 1433 —
 1435 —
 1437 —
 1439 —
 1441 —

Radial Steering Index

× = $\Delta r_E = 3.68$ left curve
 × = $\Delta r_E = 3.63$ right curve
 + = $A0r = 6.60$ 5.58
 + = $A0l = -6.53$ -5.39

possibility of
rolling without
slip

discontinuity
point



△ = 0.1mm right of +discontinuity
 ▽ = 0.1mm left of -discontinuity

Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
 Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
 wprof_lat_shift=0 Gauge= 1425-1441

rr-rl

Ident: kpfr_024

GENSYS-KPF.1308

Delta_Y=

.1

.5

2

3

4

6

Gauge= 1425

—

.605

.635

1.284

1.318

1.286

1.204

1427

—

1.151

1.109

.808

1.110

1.199

1.162

1429

—

.400

.485

.657

.592

.930

1.088

1431

—

.230

.232

.366

.454

.455

.944

1433

—

.170

.171

.186

.263

.343

.593

1435

—

.137

.138

.144

.155

.209

.304

1437

—

.116

.116

.120

.125

.135

.232

1439

—

.102

.103

.105

.108

.113

.154

1441

—

.094

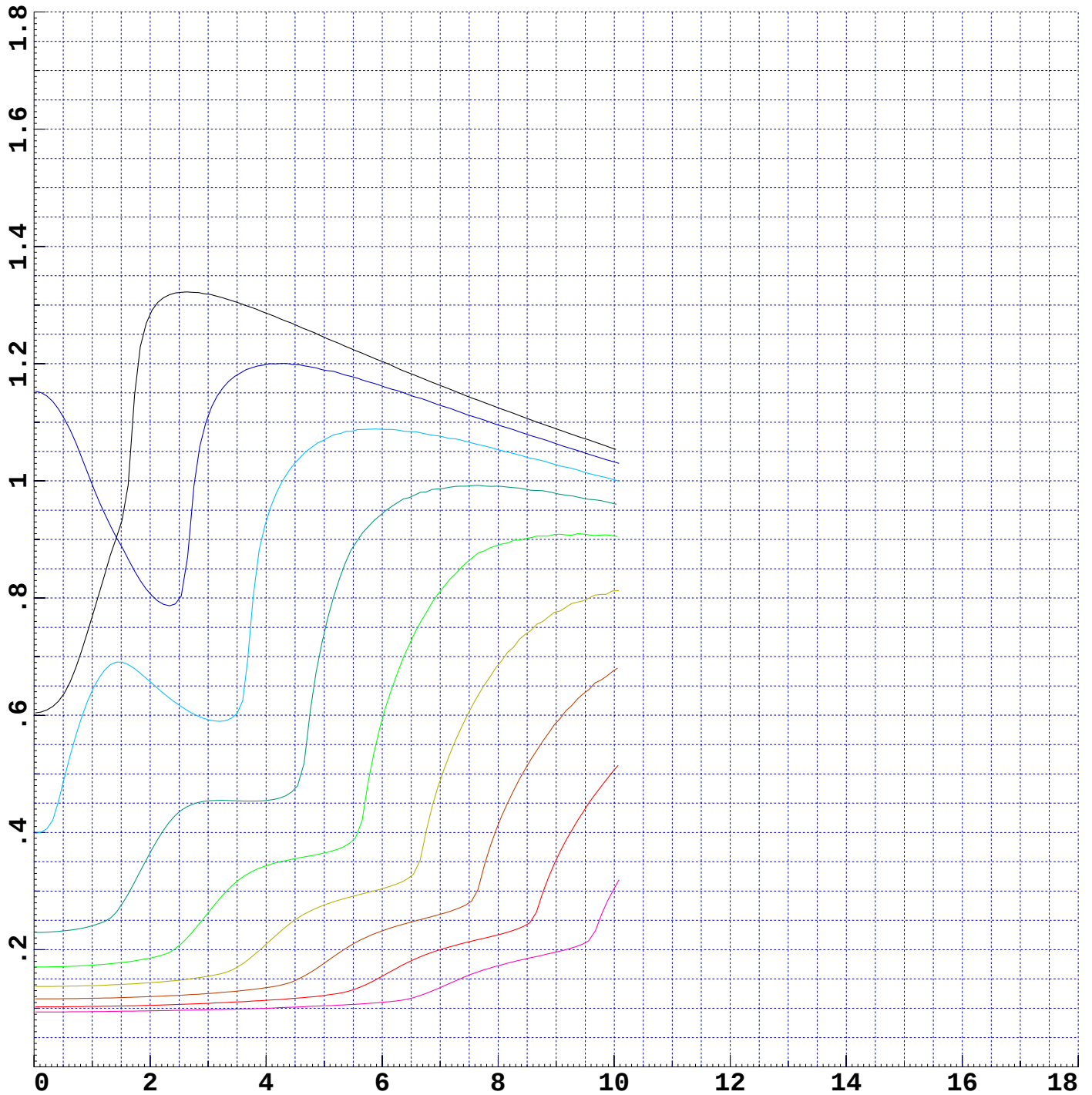
.094

.096

.097

.100

.110



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

Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail

wprof_lat_shift= 0 Gauge= 1425-1441

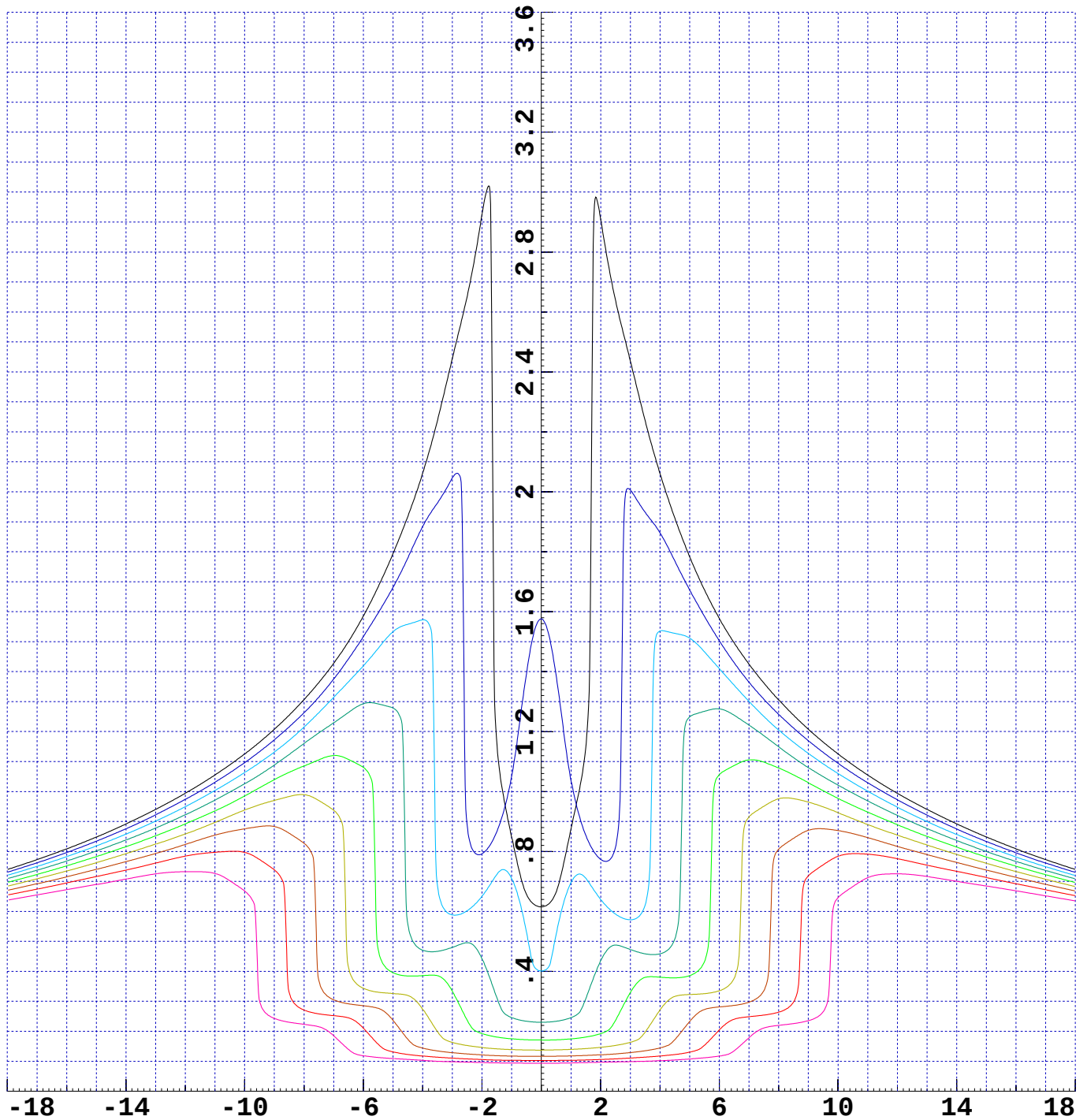
UIC519

Ident: kpfr_024

GENSYS-KPF.1308

Delta_Y=

		.1	.5	2	3	4	6
Gauge=	1425	.617	.666	2.909	2.436	2.061	1.577
	1427	1.567	1.387	.773	2.006	1.863	1.503
	1429	.403	.525	.640	.572	1.536	1.410
	1431	.230	.233	.436	.473	.458	1.276
	1433	.171	.172	.192	.330	.381	1.056
	1435	.137	.138	.146	.163	.271	.335
	1437	.116	.117	.121	.129	.145	.281
	1439	.102	.103	.106	.111	.118	.205
	1441	.094	.094	.097	.099	.102	.117



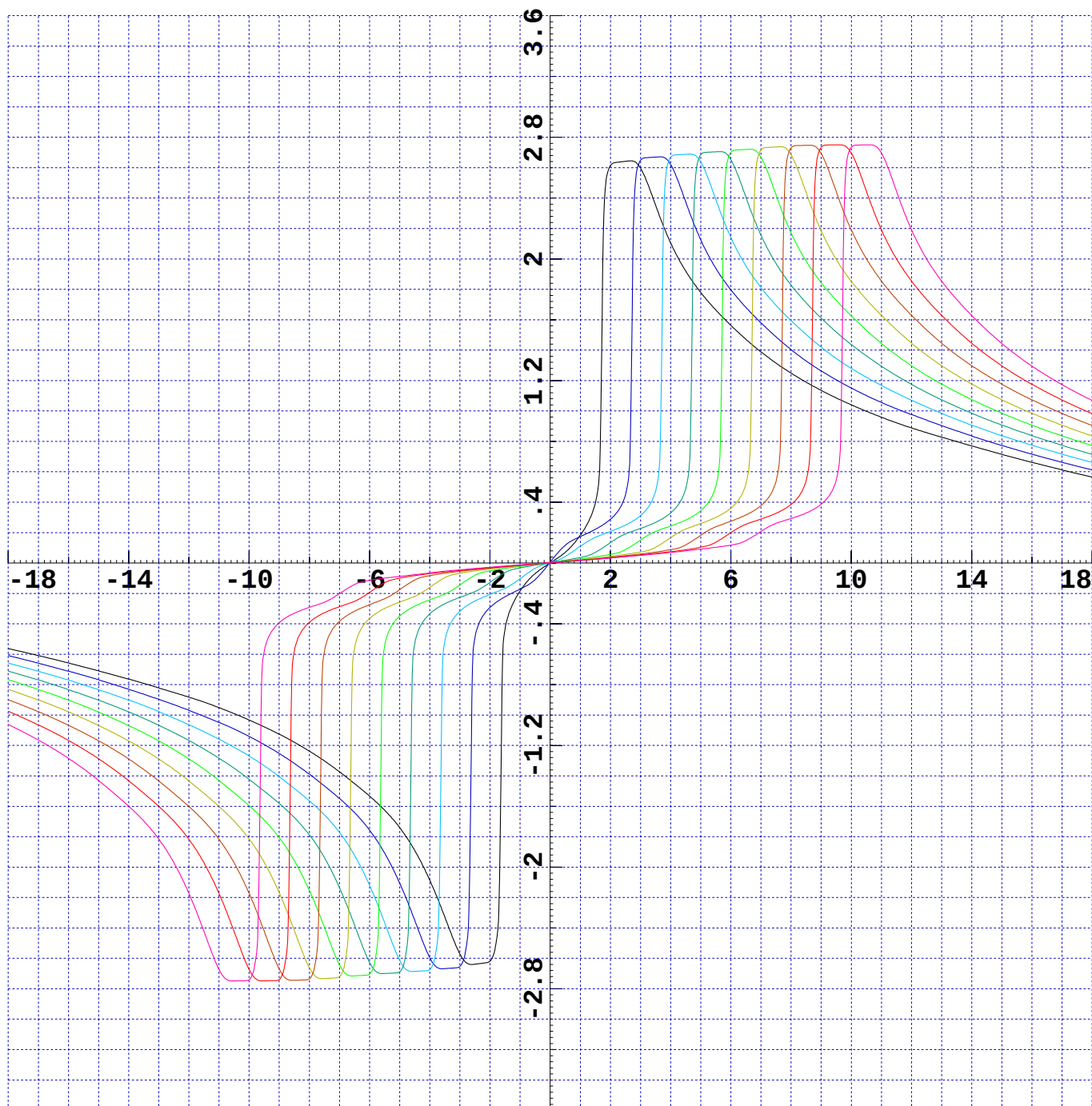
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
 Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
 wprof_lat_shift= 0 Gauge= 1425-1441

lambda

Ident: kpfr_024

GENSYS - KPF . 1308

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

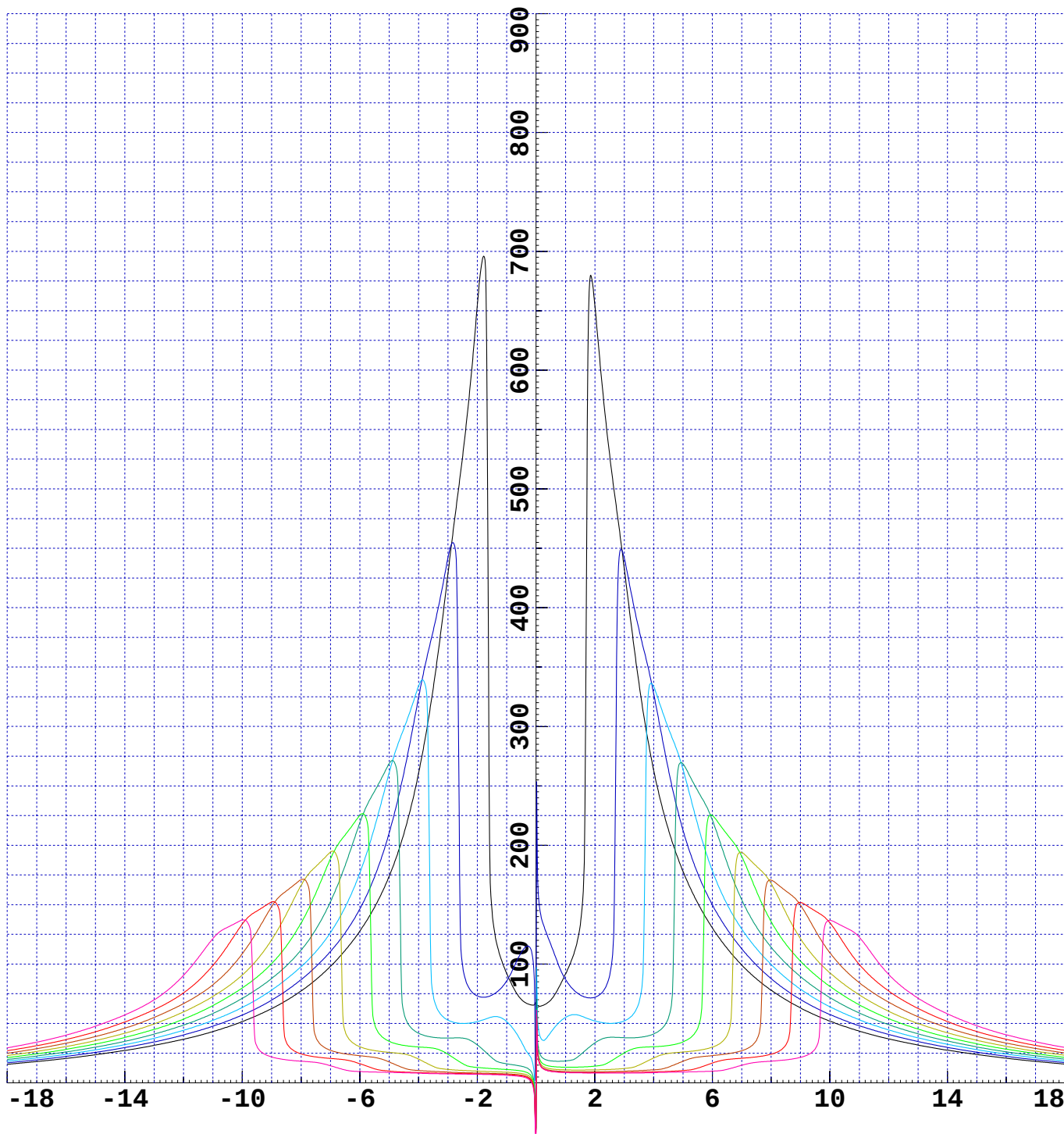


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel tan_Ga
 Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
 Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_024

GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	64.16	69.66	653.82	432.73	263.14	130.30
1427	—	152.07	116.74	72.06	441.55	327.58	149.74
1429	—	42.57	42.46	52.02	52.09	333.63	178.39
1431	—	26.94	18.47	33.64	37.97	41.21	221.09
1433	—	21.92	13.99	14.12	25.29	30.45	225.03
1435	—	19.39	11.72	10.91	12.04	20.88	30.05
1437	—	18.11	10.44	9.38	9.82	10.98	22.91
1439	—	17.71	9.77	8.59	8.85	9.32	16.64
1441	—	18.17	9.62	8.32	8.34	8.61	9.82

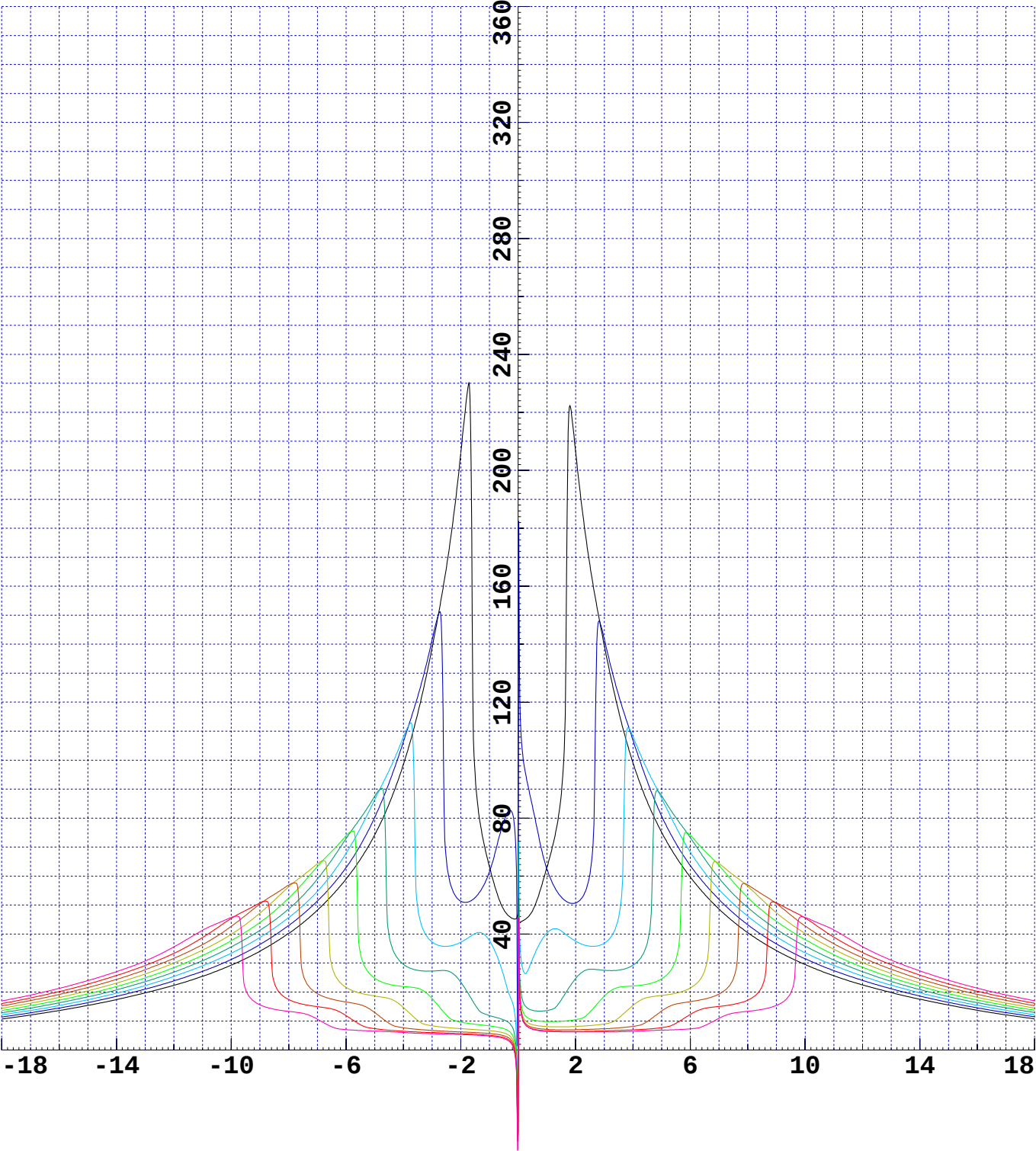


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel KAPPA
 Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
 Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_024

GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	44.27	48.02	206.32	139.48	99.04	59.62
1427	—	109.34	83.97	50.75	141.75	106.87	63.61
1429	—	31.46	31.31	37.54	36.84	108.15	68.23
1431	—	20.00	13.71	24.69	27.48	29.23	73.26
1433	—	16.31	10.41	10.49	18.60	22.08	74.06
1435	—	14.46	8.73	8.13	8.96	15.38	21.42
1437	—	13.52	7.79	7.00	7.32	8.18	16.68
1439	—	13.24	7.31	6.42	6.61	6.96	12.29
1441	—	13.59	7.20	6.22	6.23	6.44	7.32



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC024_l.short.rail Right rail: r_prof/SEC024_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

EPS

Ident: kpfr_024

GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge=	1425	7.83	1.90	1.04	1.34	1.44	1.40
	1427	7.72	1.78	.67	.74	1.04	1.21
	1429	7.53	1.63	.58	.48	.58	.99
	1431	7.49	1.61	.52	.42	.38	.72
	1433	7.46	1.59	.49	.37	.34	.41
	1435	7.43	1.57	.47	.35	.30	.28
	1437	7.40	1.55	.46	.34	.28	.24
	1439	7.38	1.54	.45	.33	.27	.21
	1441	7.36	1.53	.44	.32	.25	.19

