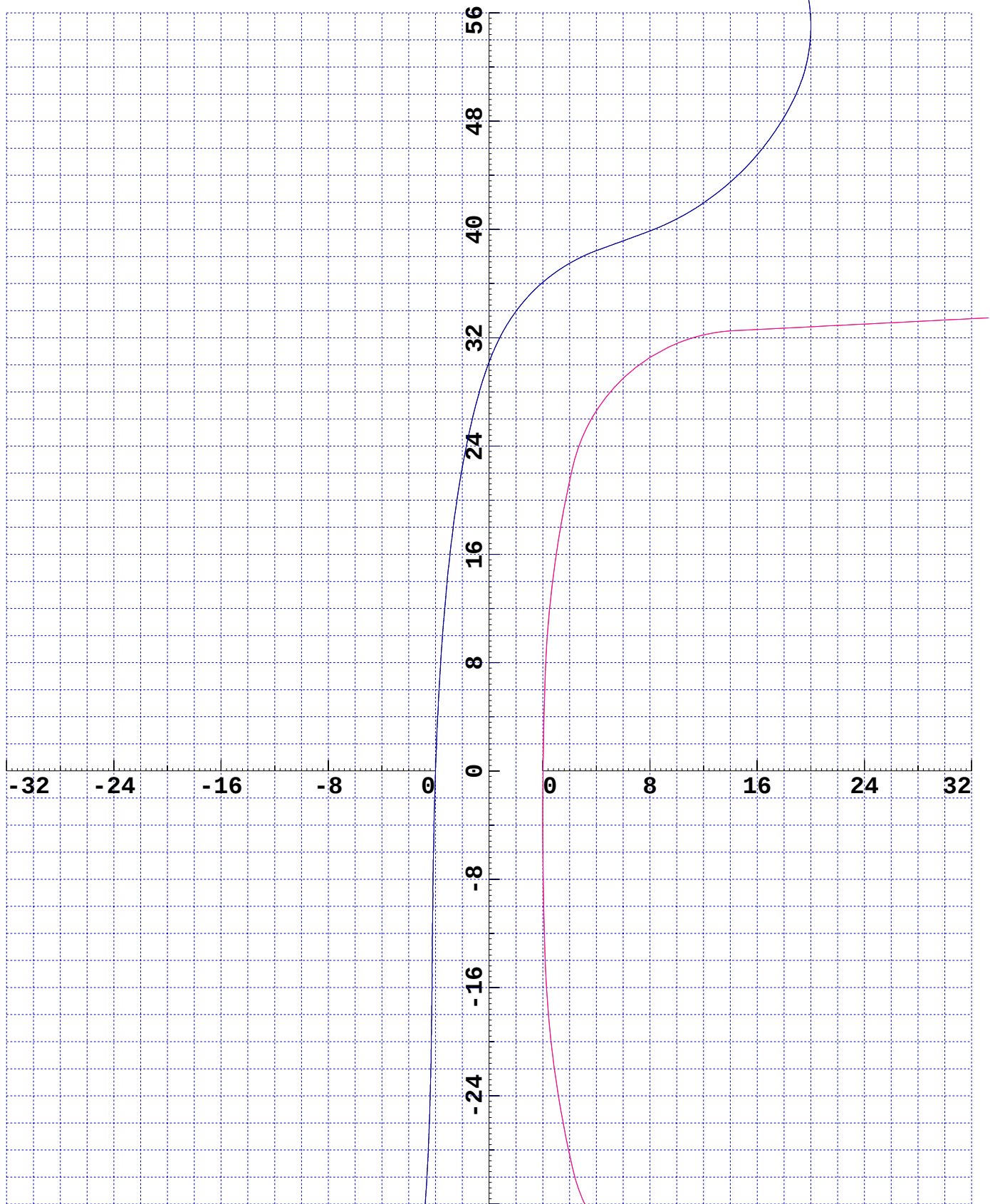
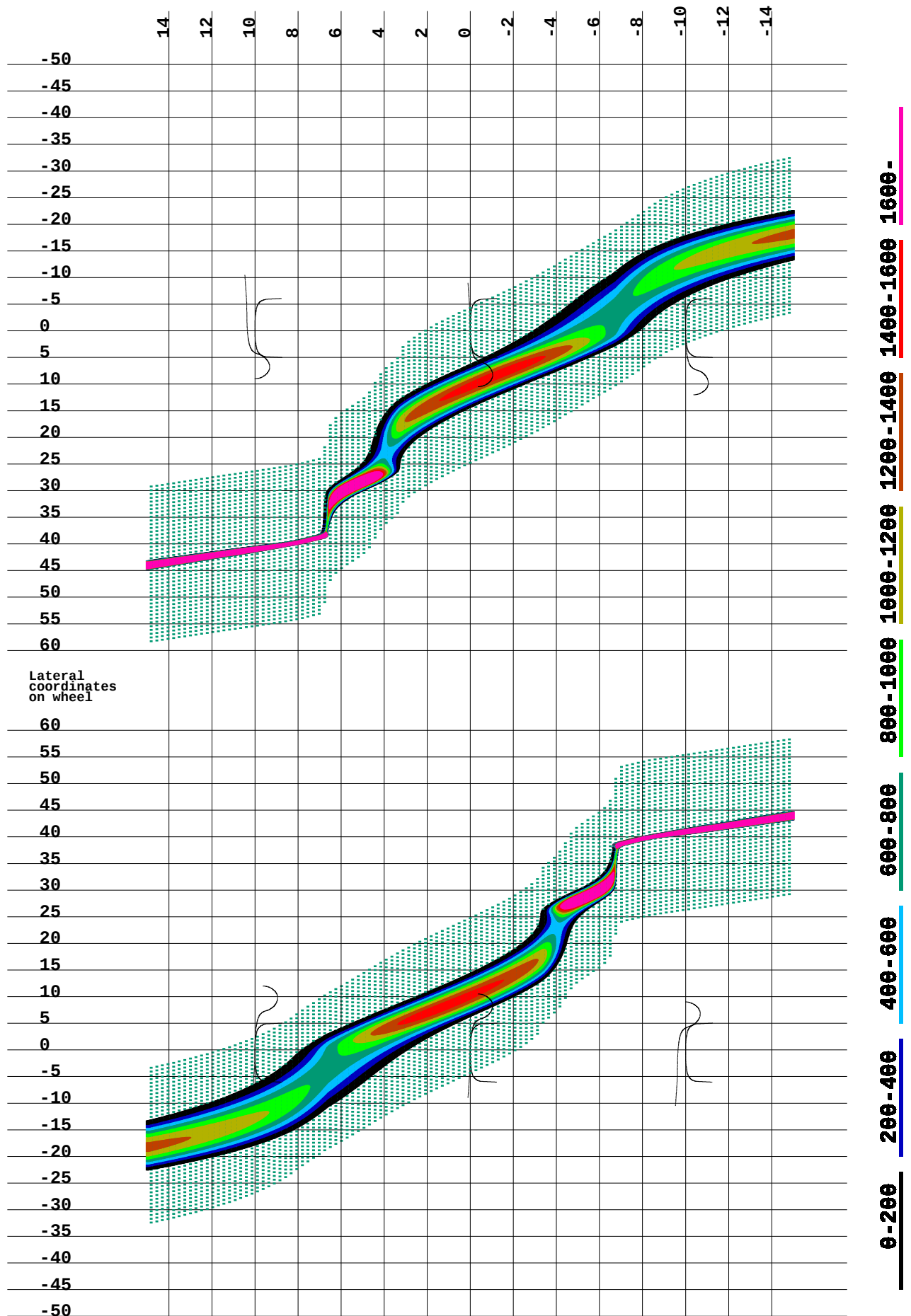


- Right wheel
- Left wheel
- Right rail
- Left rail



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel WRGEOM
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_001

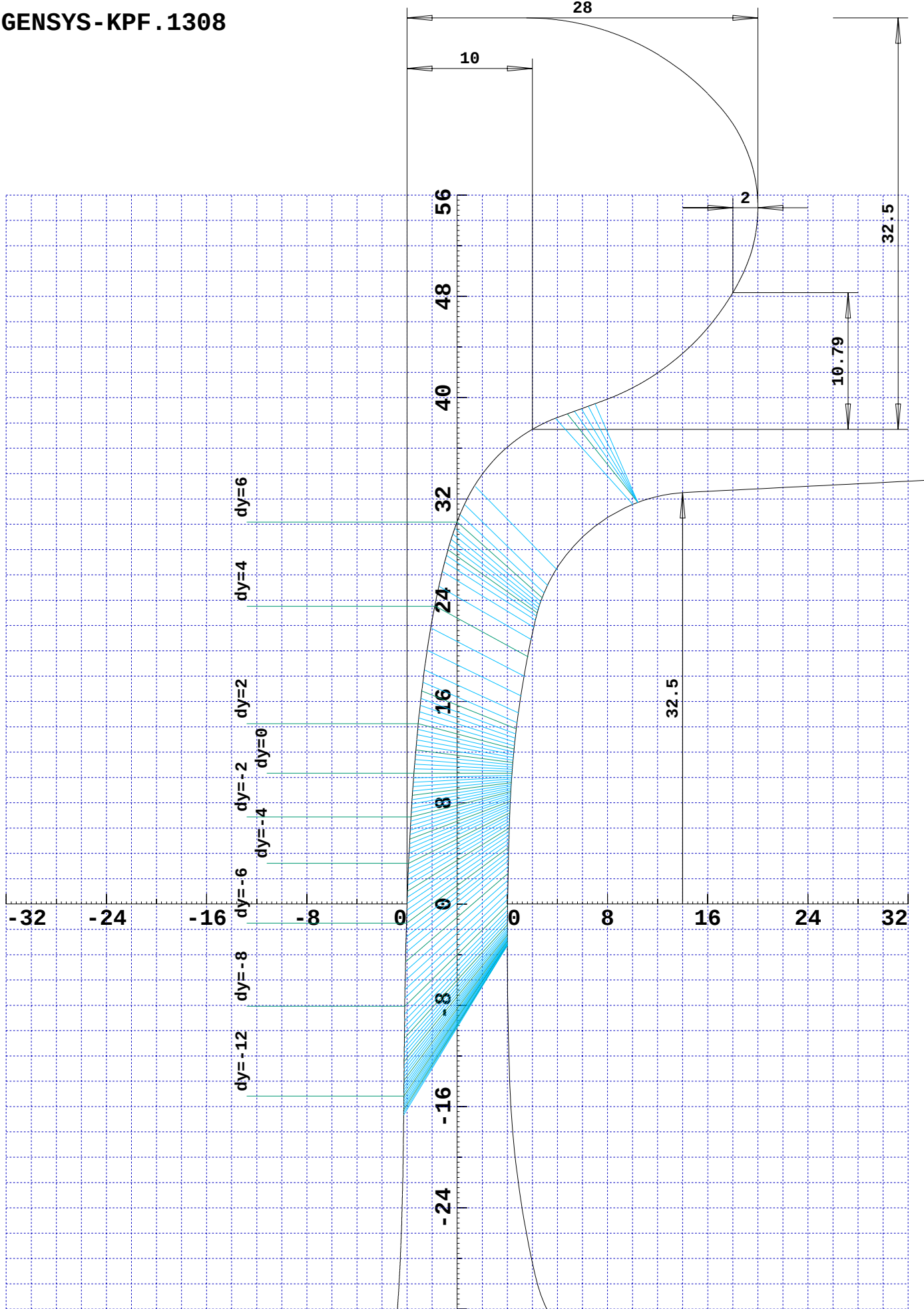


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel

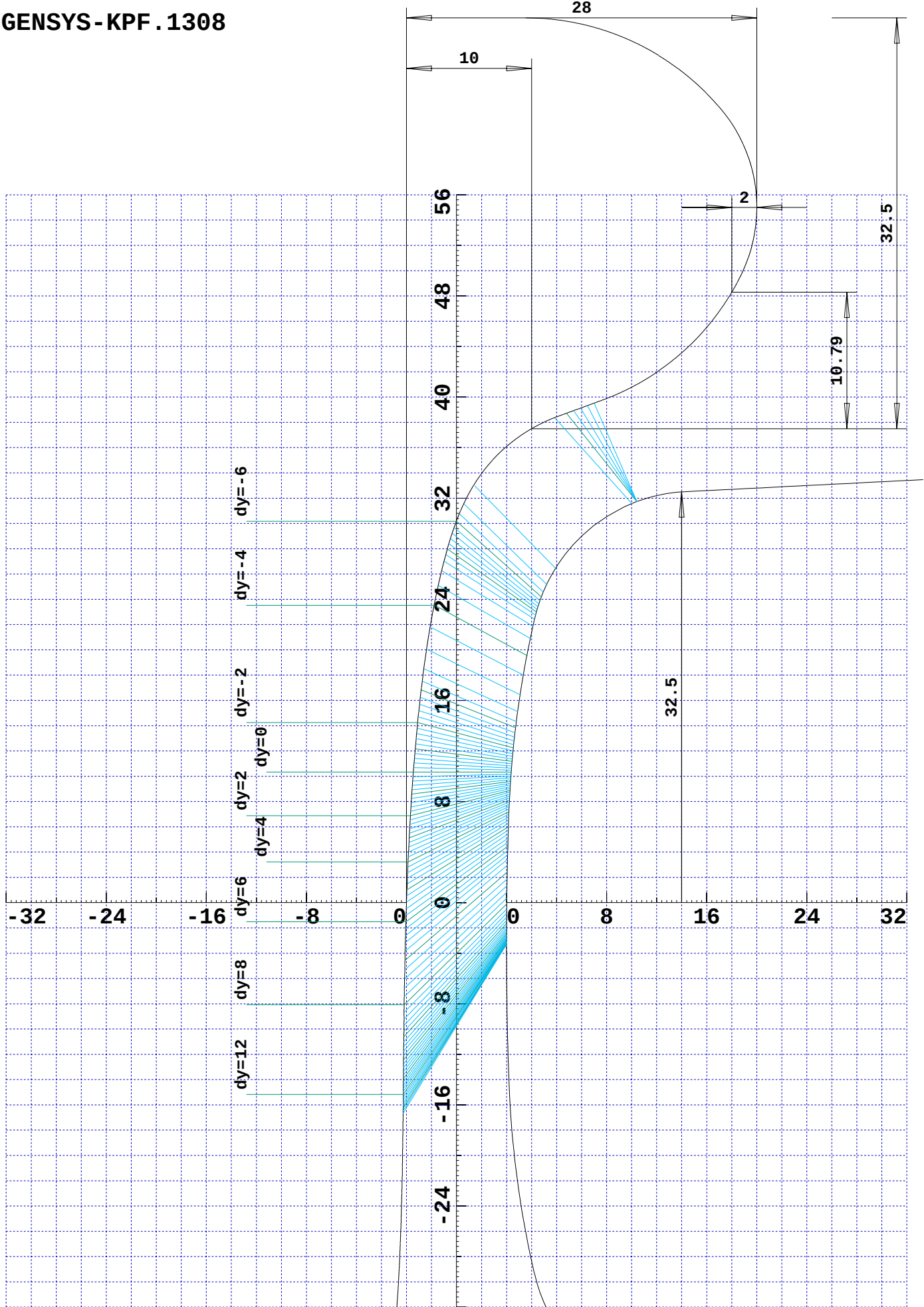
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.sho

Wprof_lat_shift= 0 Gauge= 1425-1441

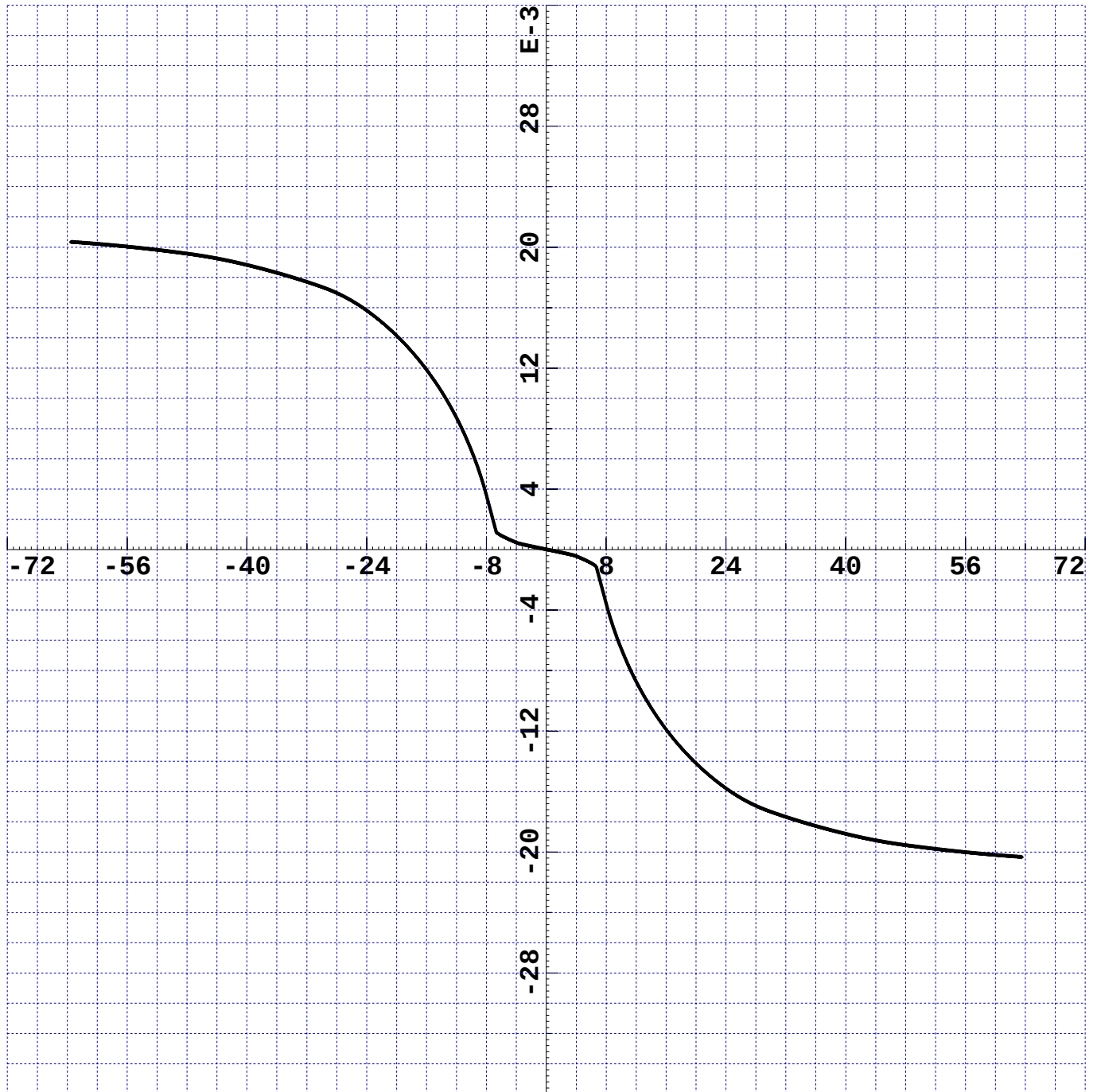
Contact Pressure



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel CONNr
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441
Ident: kpfr_001

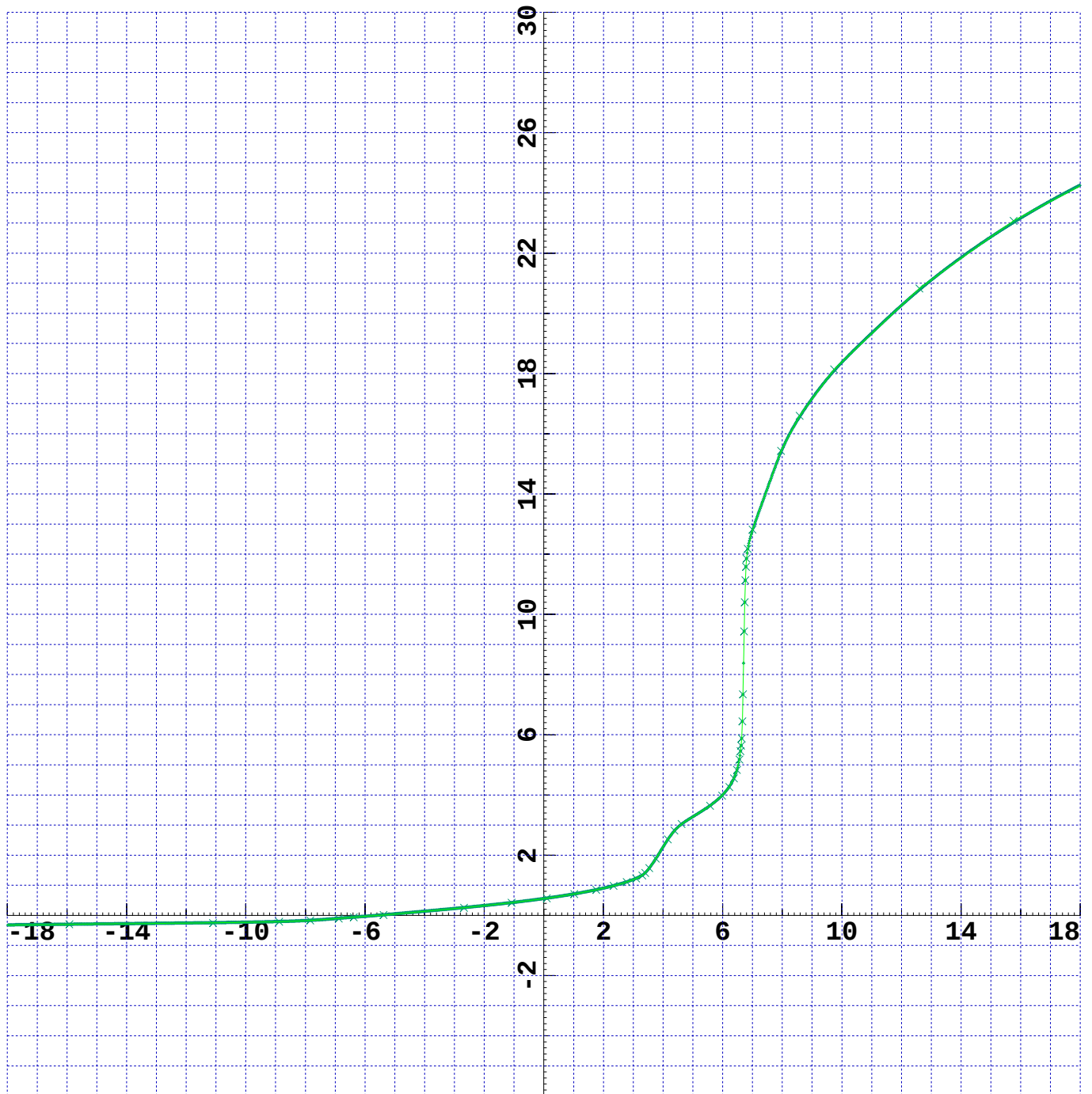


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **CONN1**
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441
Ident: kpfr_001



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **Flax1**
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

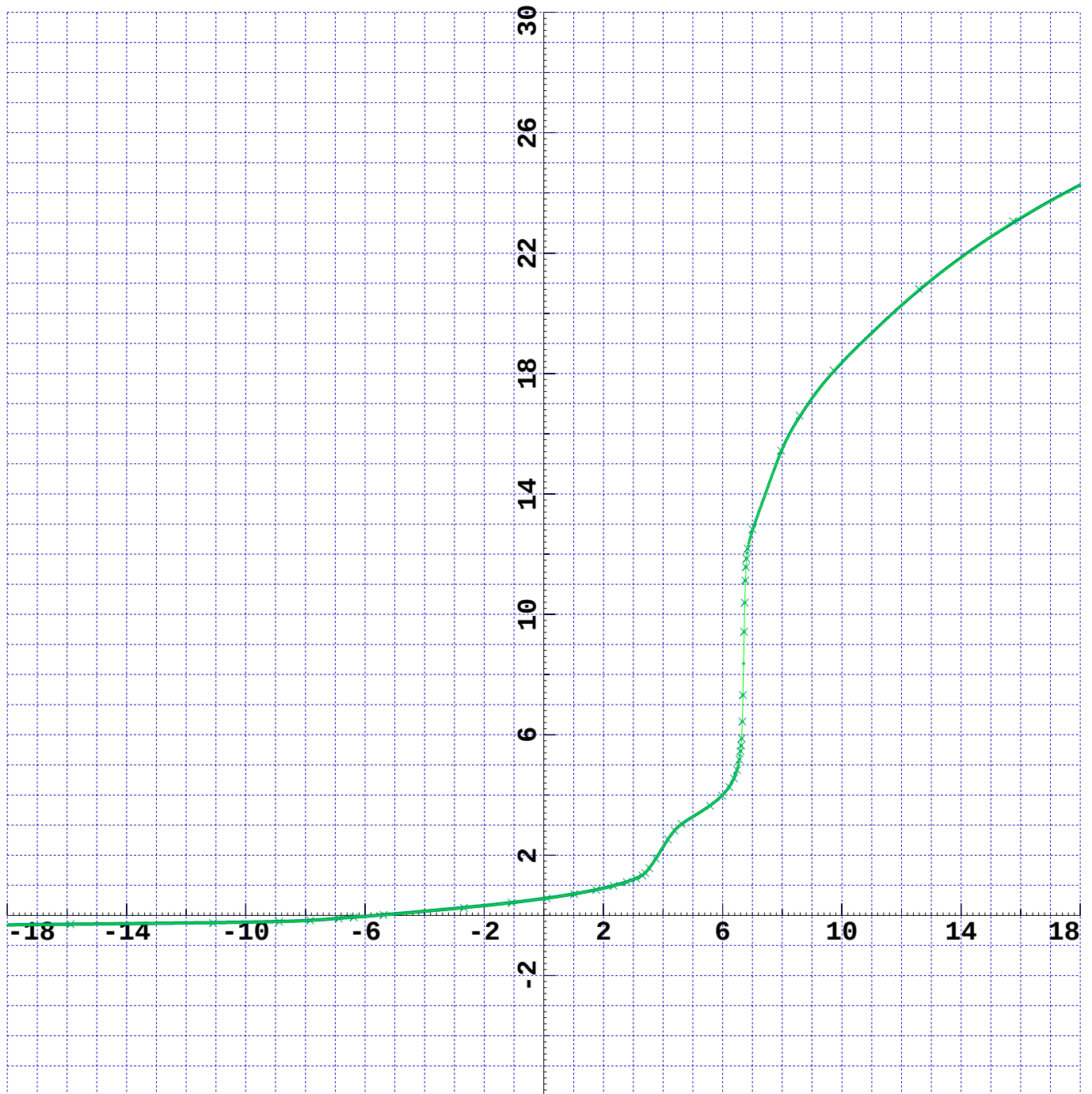
Ident: kpfr_001



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

DRFNr

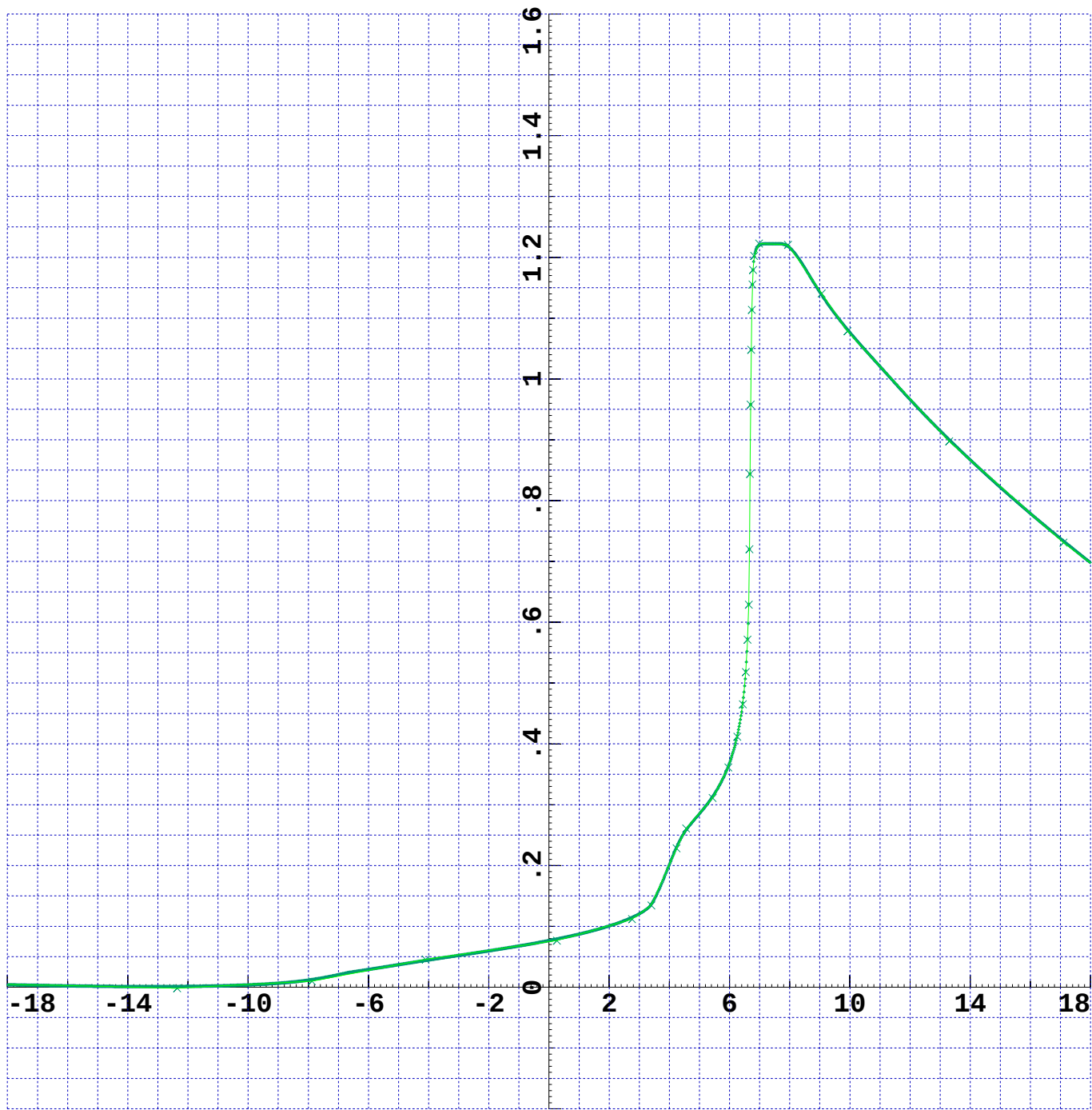
Ident: kpfr_001



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

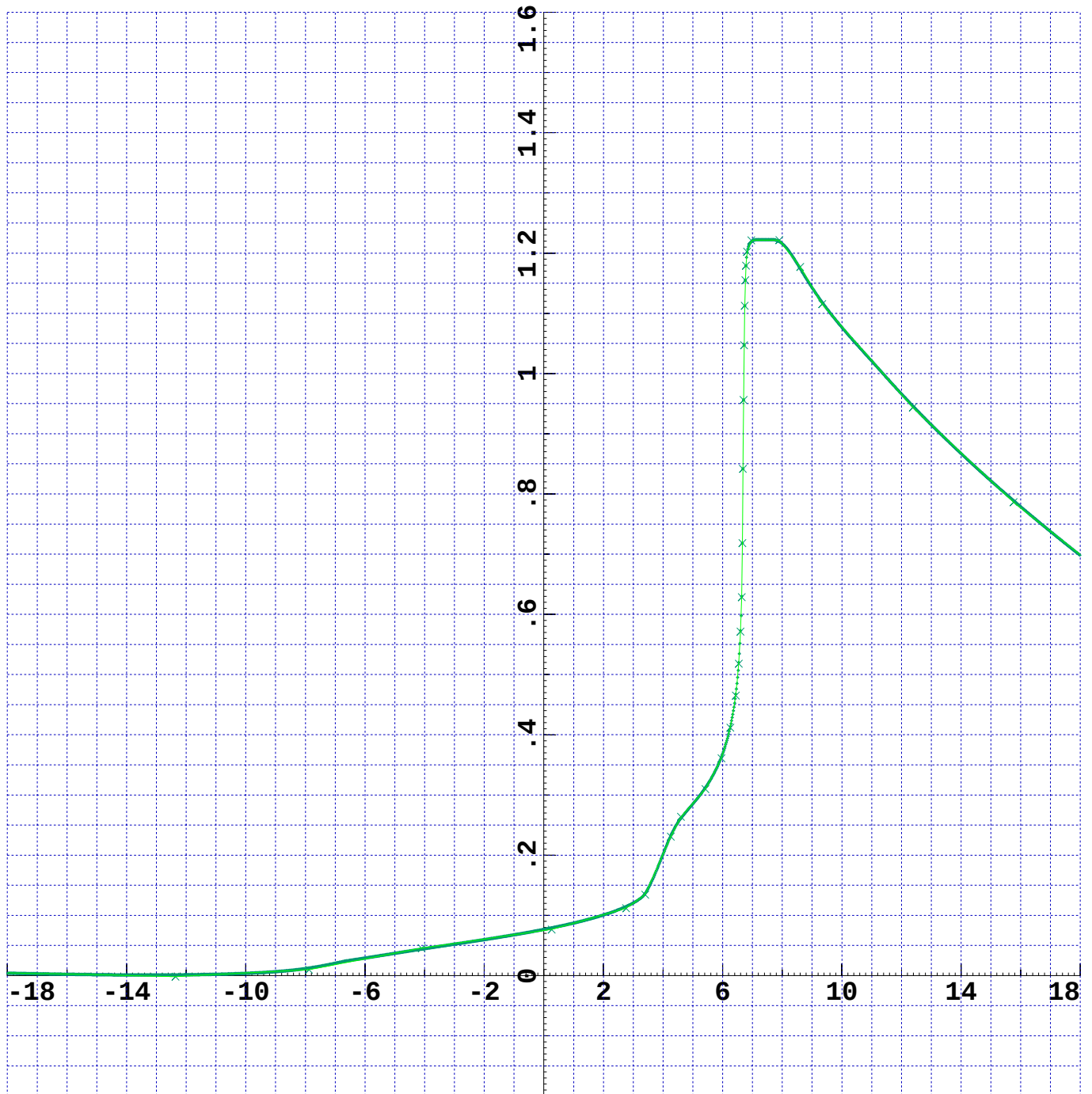
DRFN1

Ident: kpfr_001



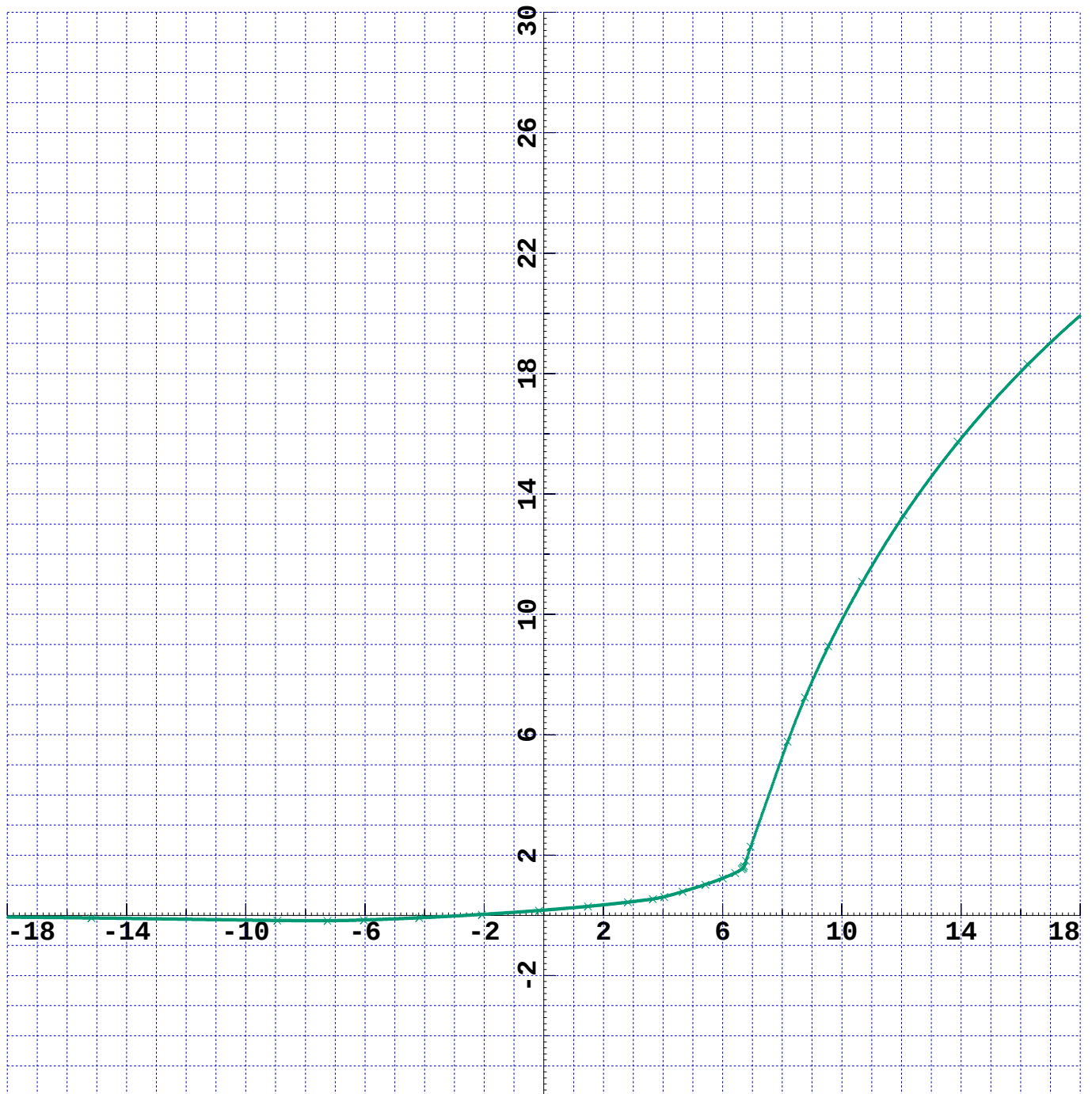
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel GAMFNr
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_001



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel GAMFN1
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

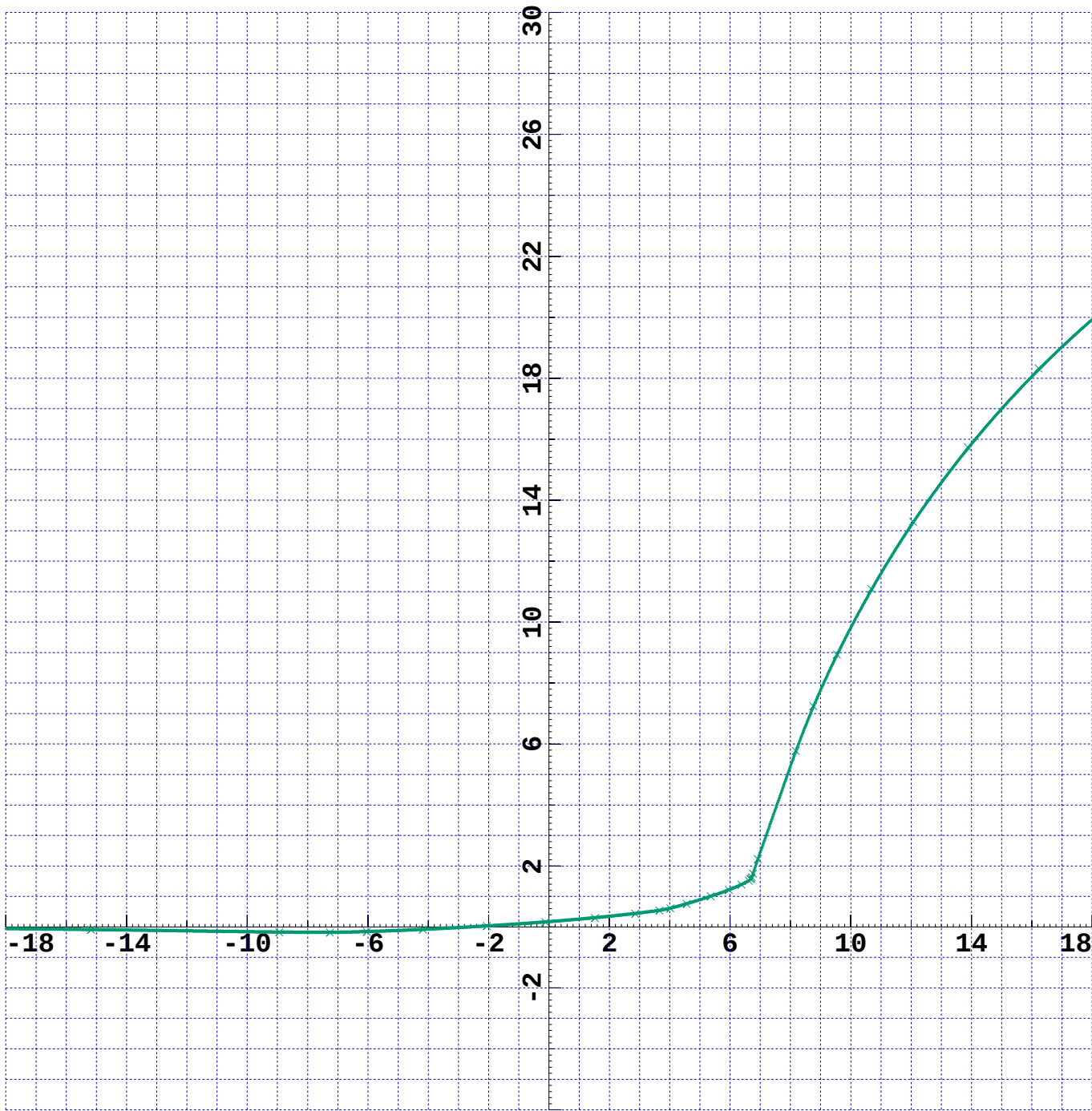
Ident: kpfr_001

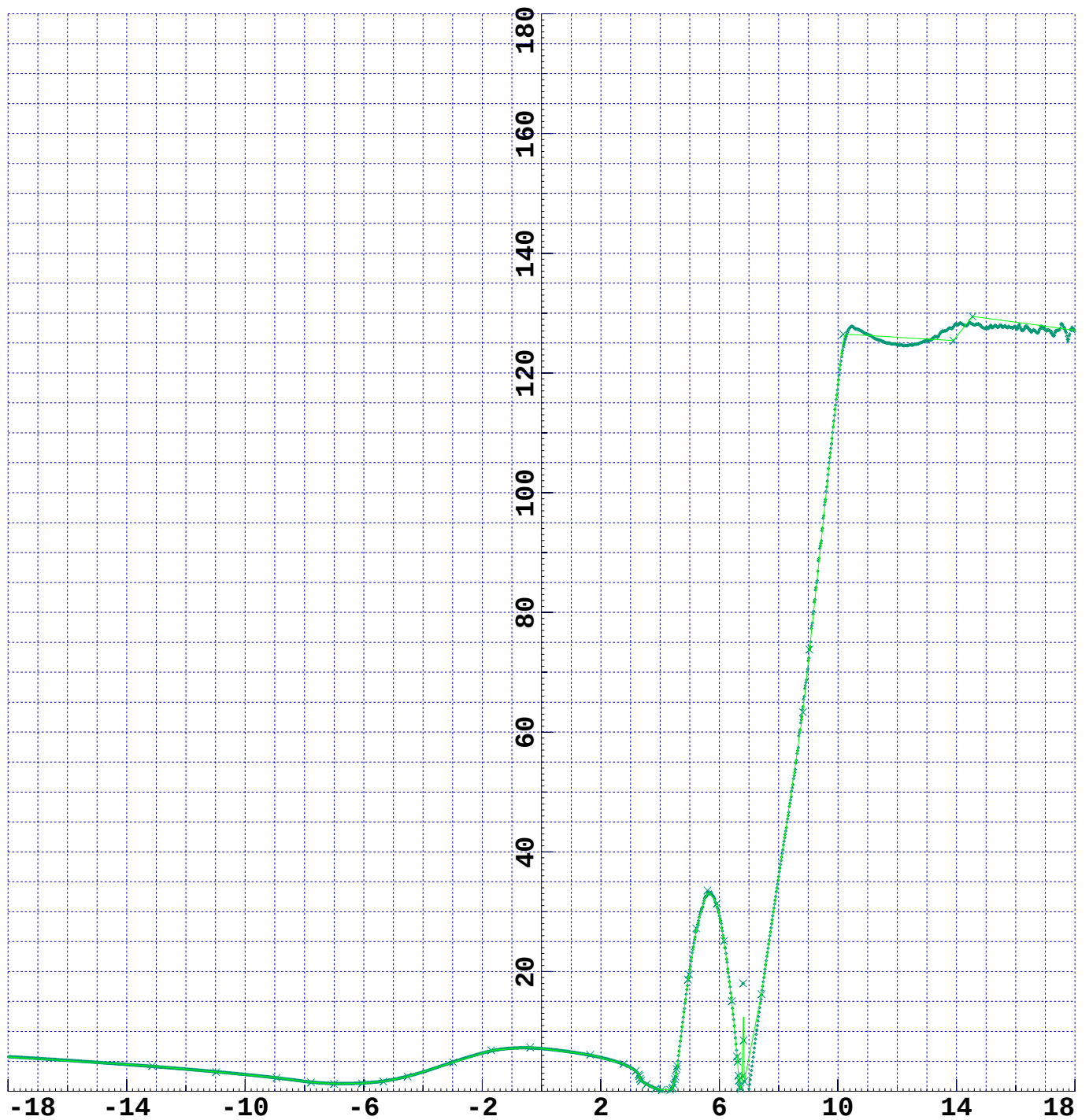


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ZFNr

Ident: kpfr_001

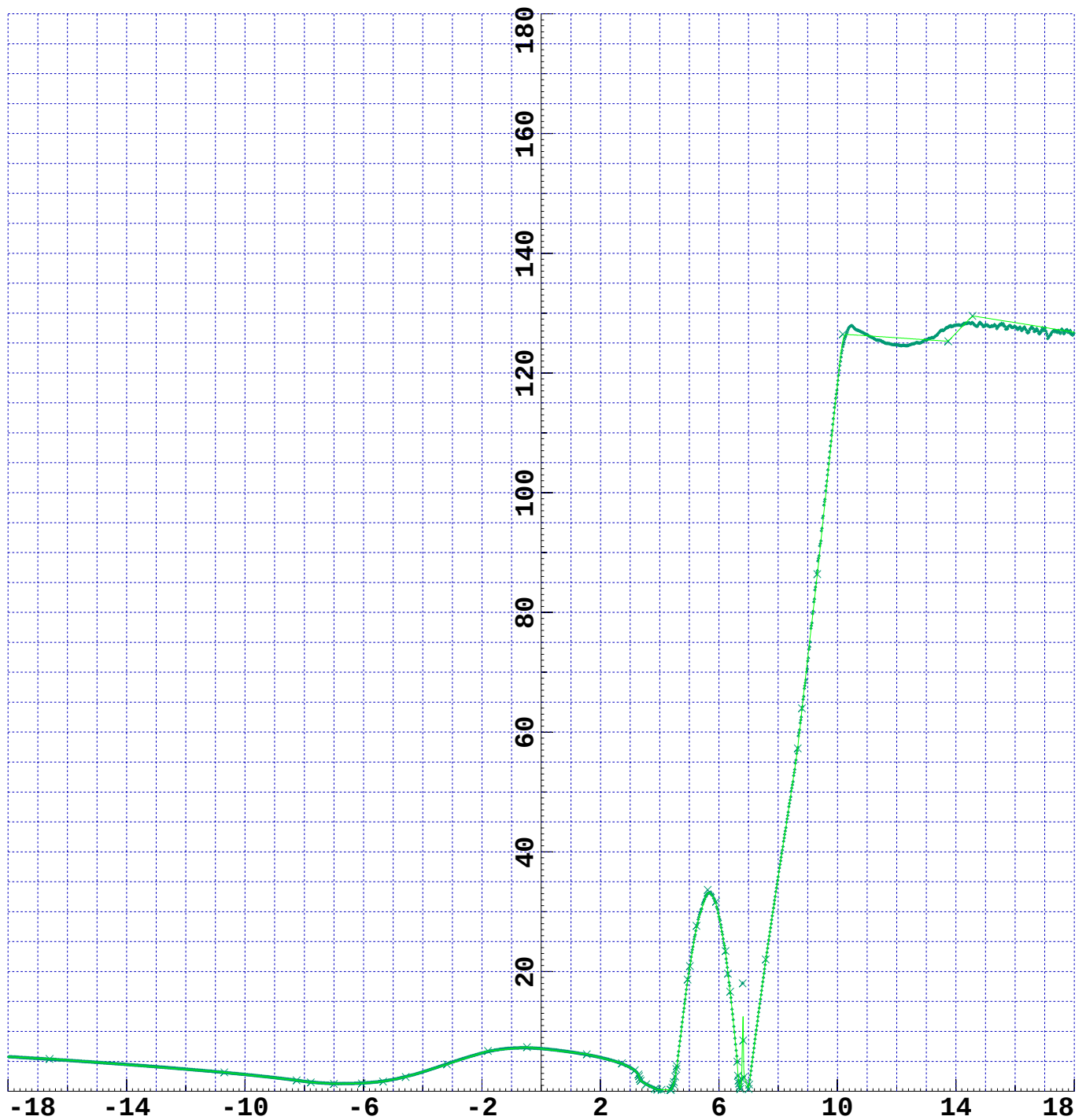




Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ROFNr

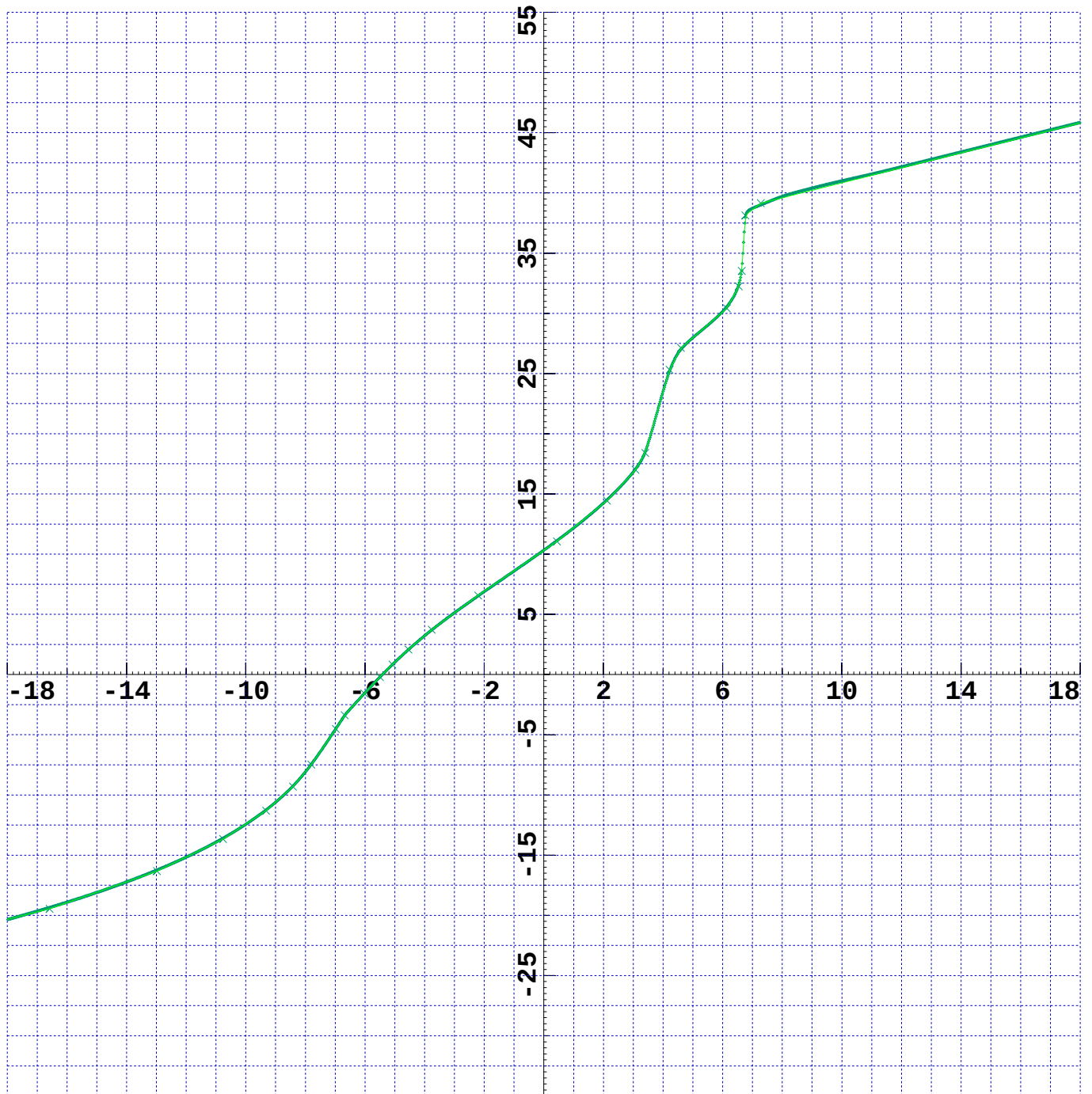
Ident: kpfr_001



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ROFN1

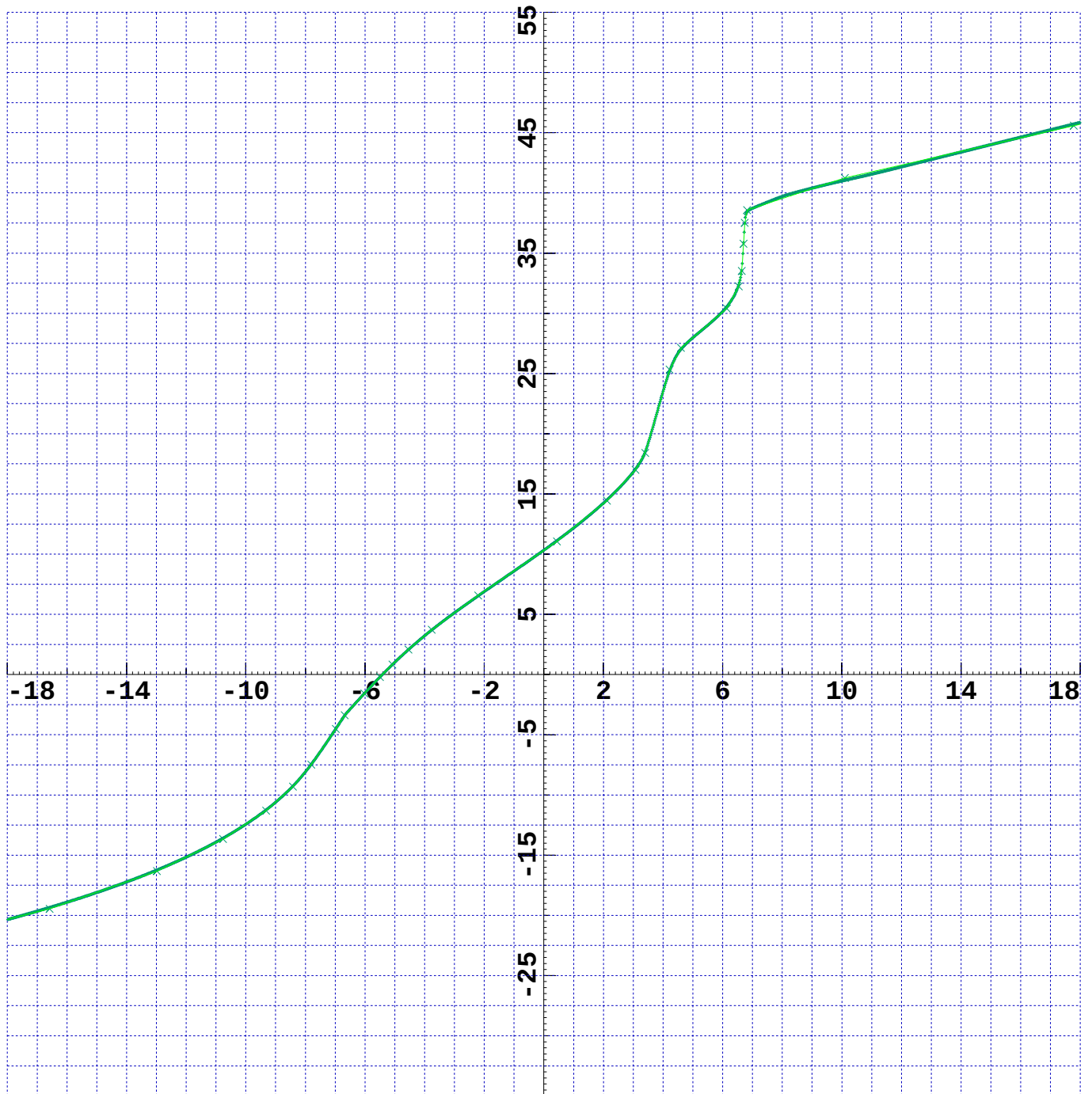
Ident: kpfr_001



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

POSWr

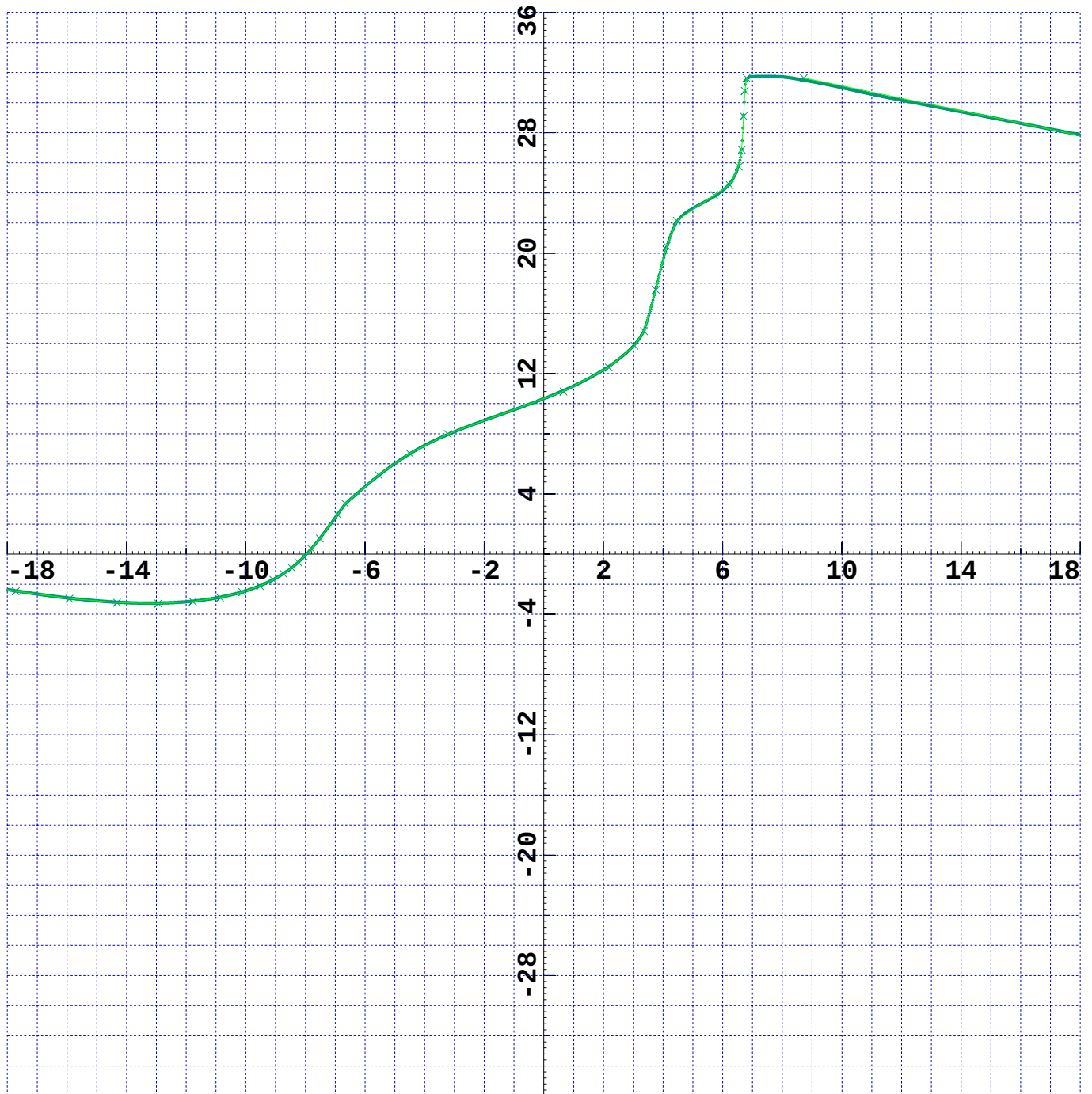
Ident: kpfr_001



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

POSW1

Ident: kpfr_001



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

POSRR

Ident: kpfr_001



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

POSR1

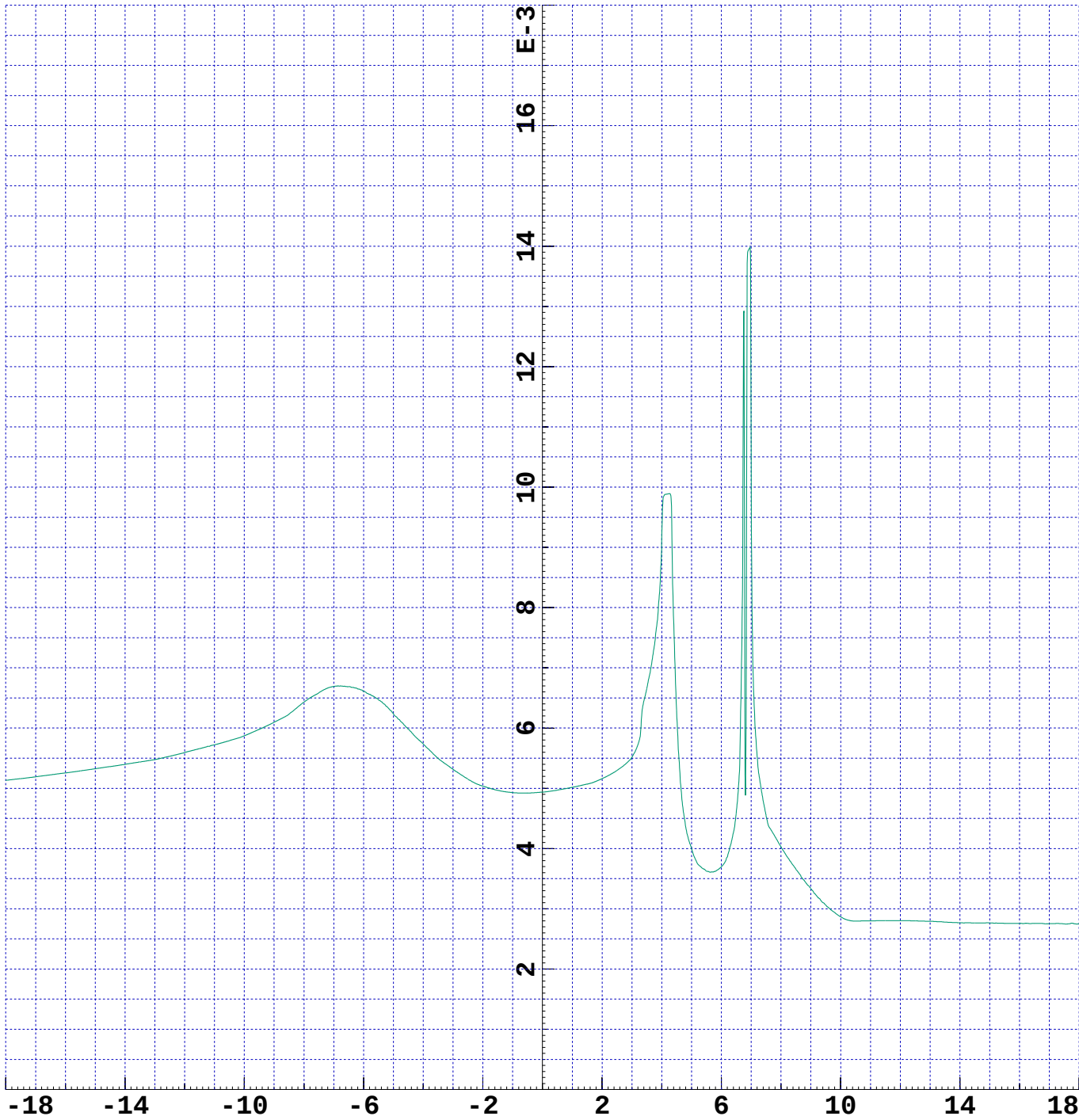
Ident: kpfr_001



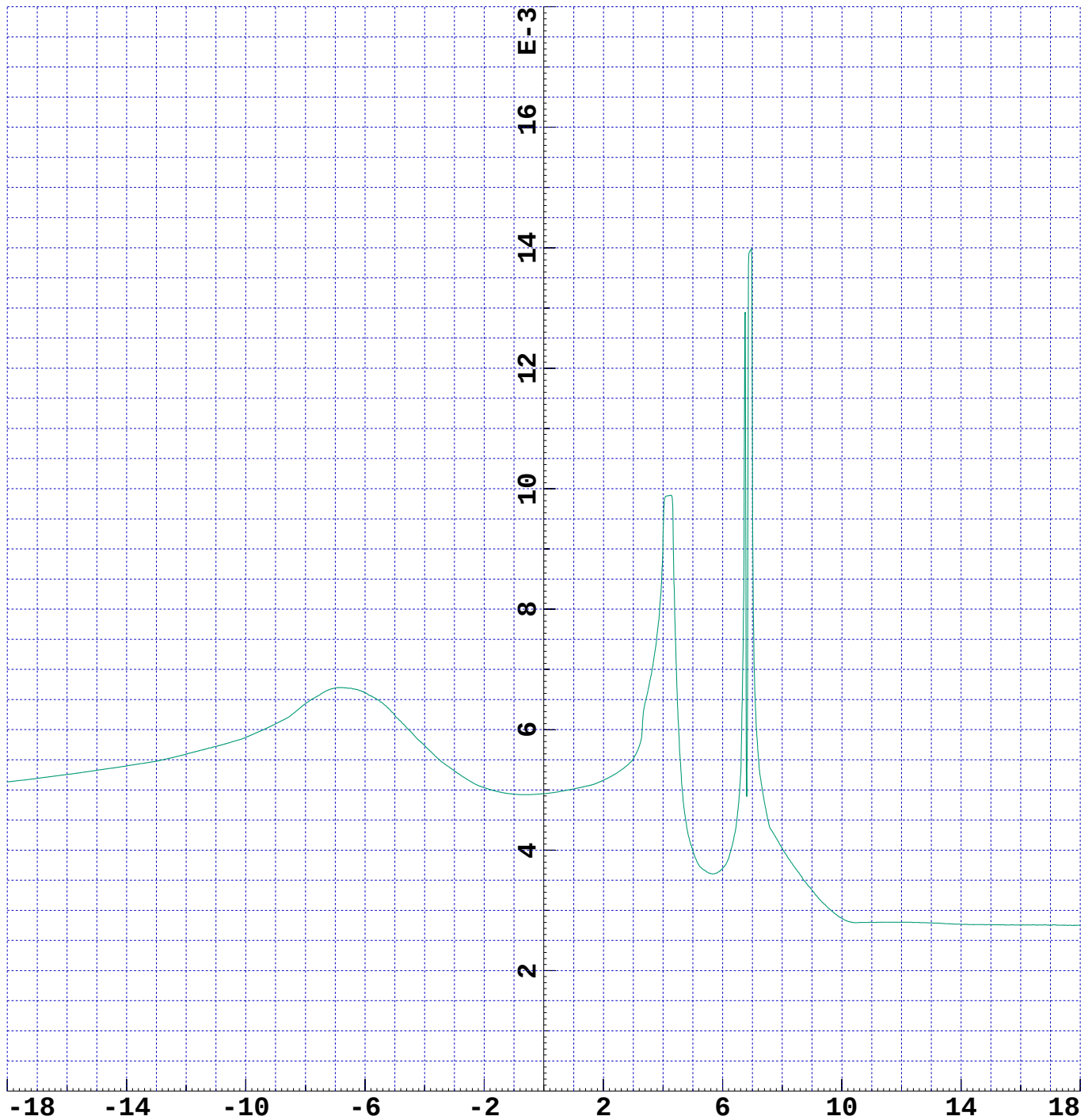








Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel C_r
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441
Ident: kpfr_001



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

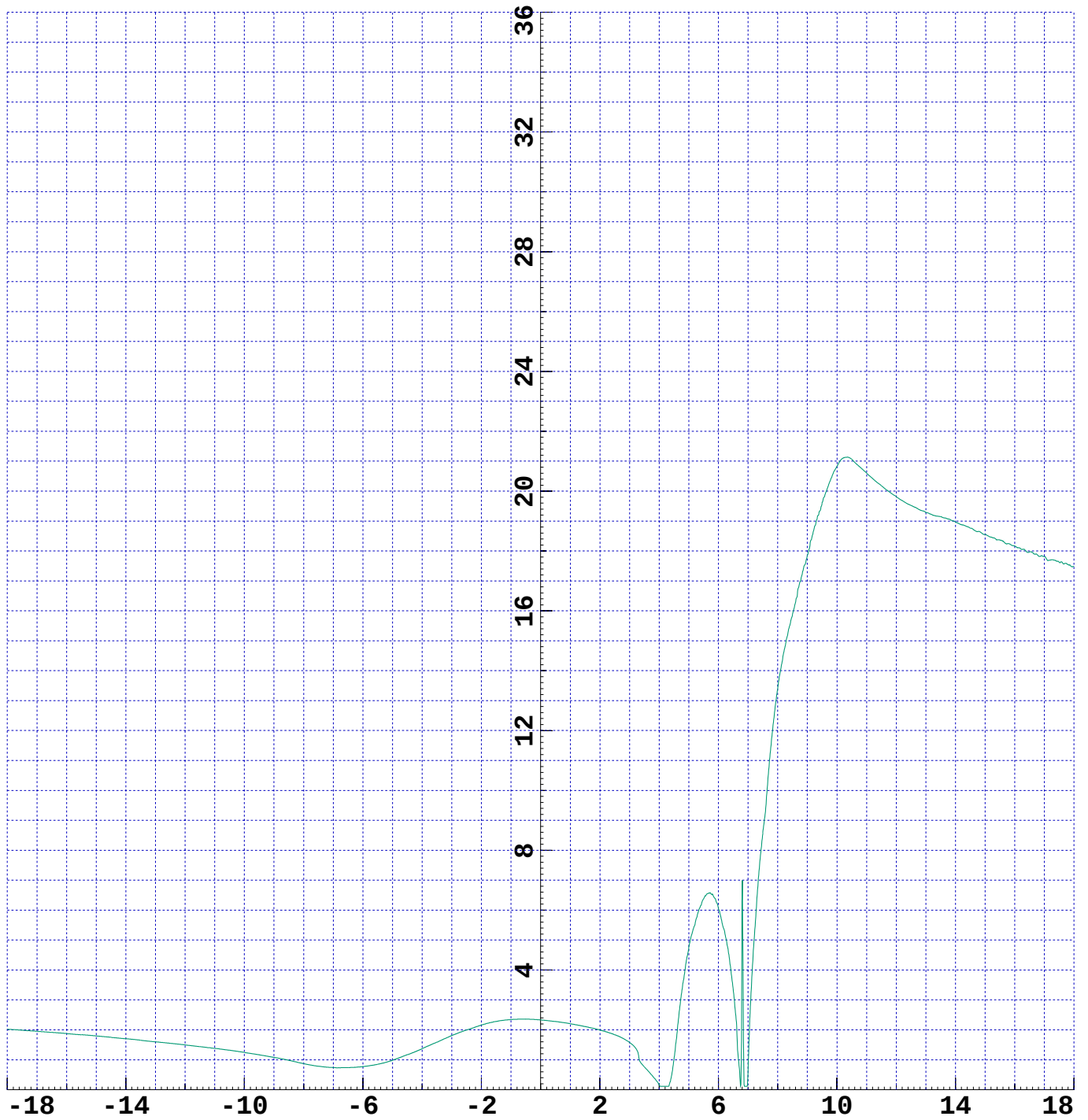
C_1

Ident: kpfr_001



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel A/B_r
 Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
 Wprof_lat_shift= 0 Gauge= 1425-1441

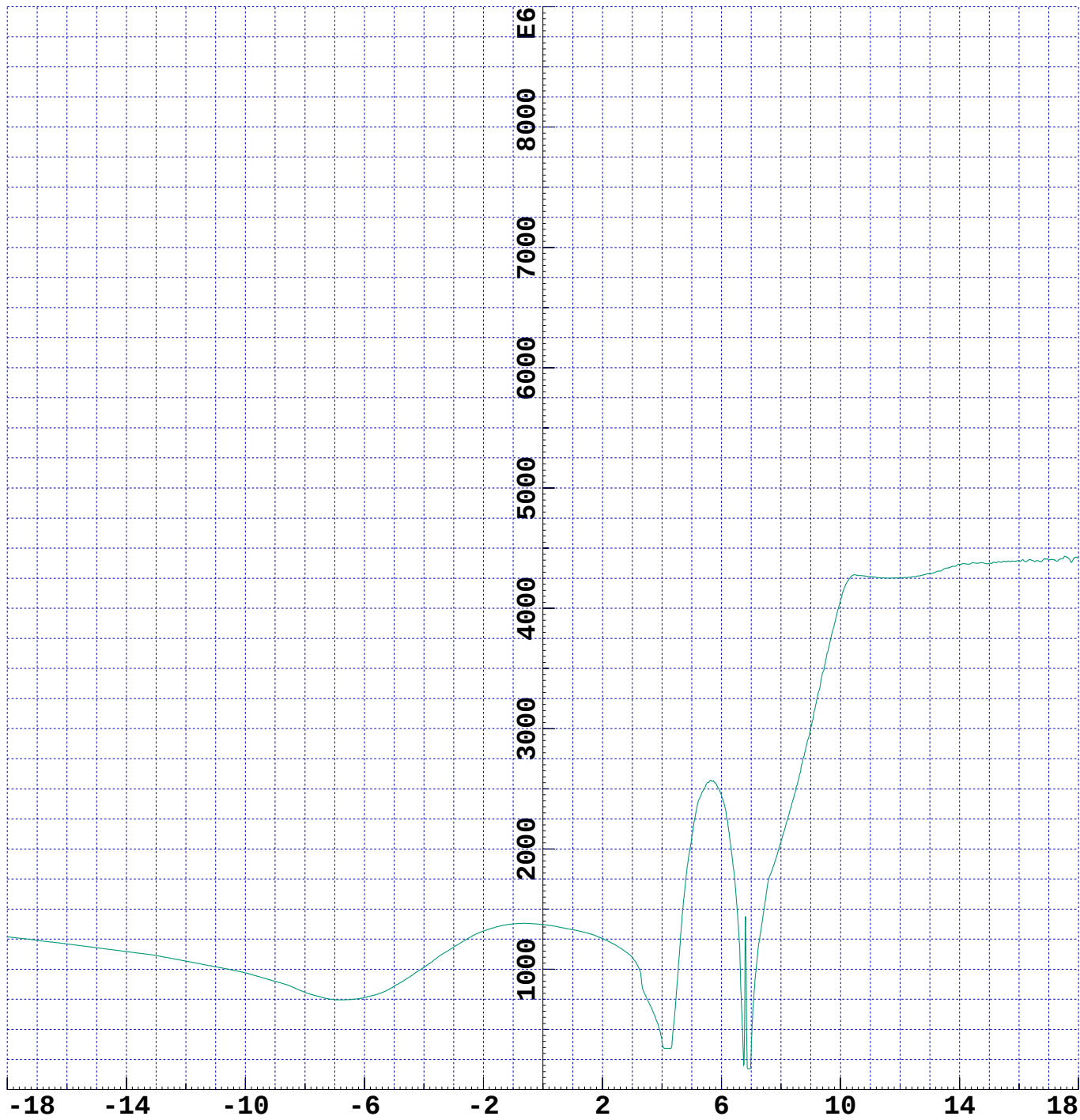
Ident: kpfr_001



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

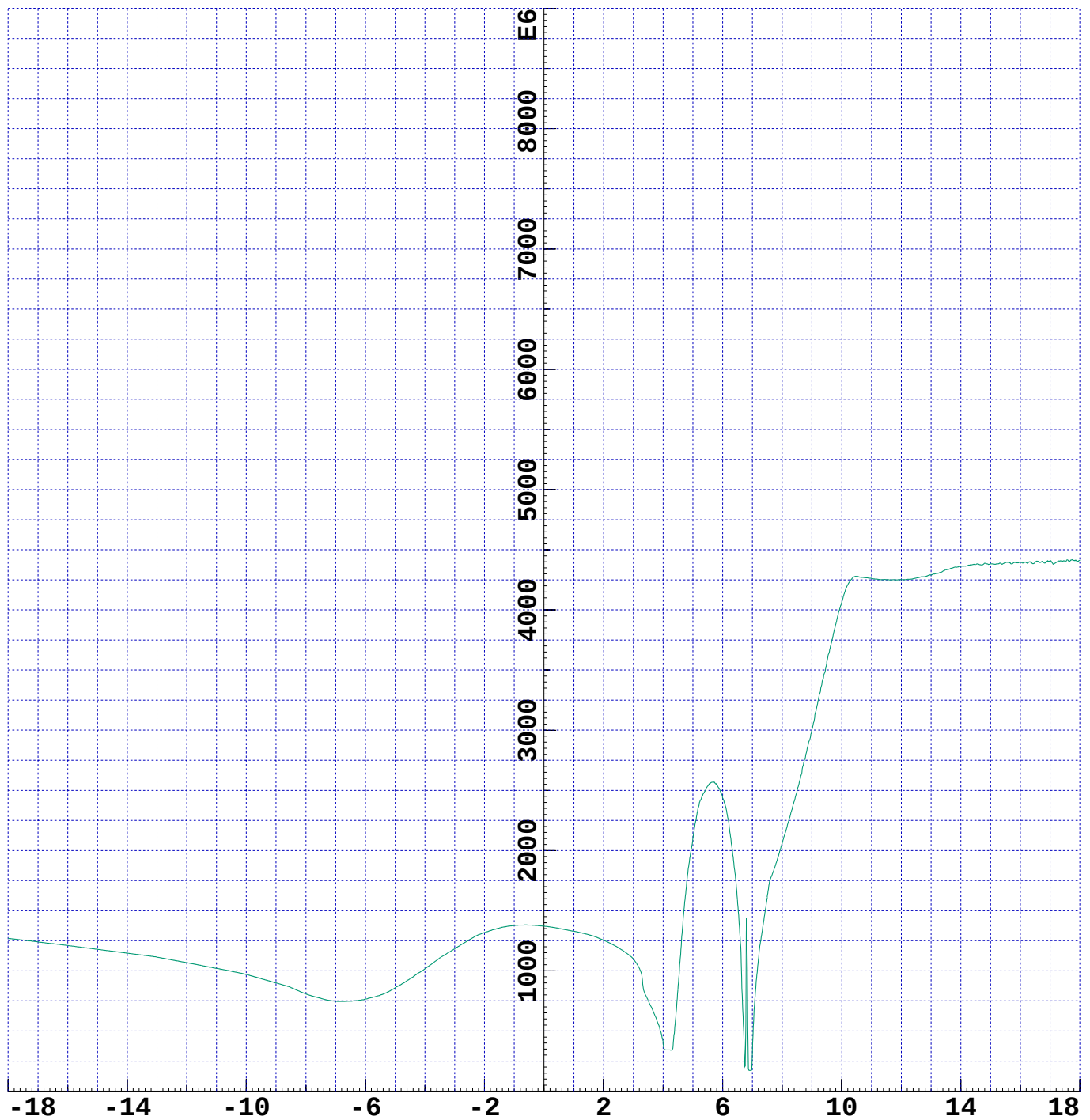
A/B_1

Ident: kpfr_001



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **SIGMAR**
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_001



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **SIGMA1**
Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_001

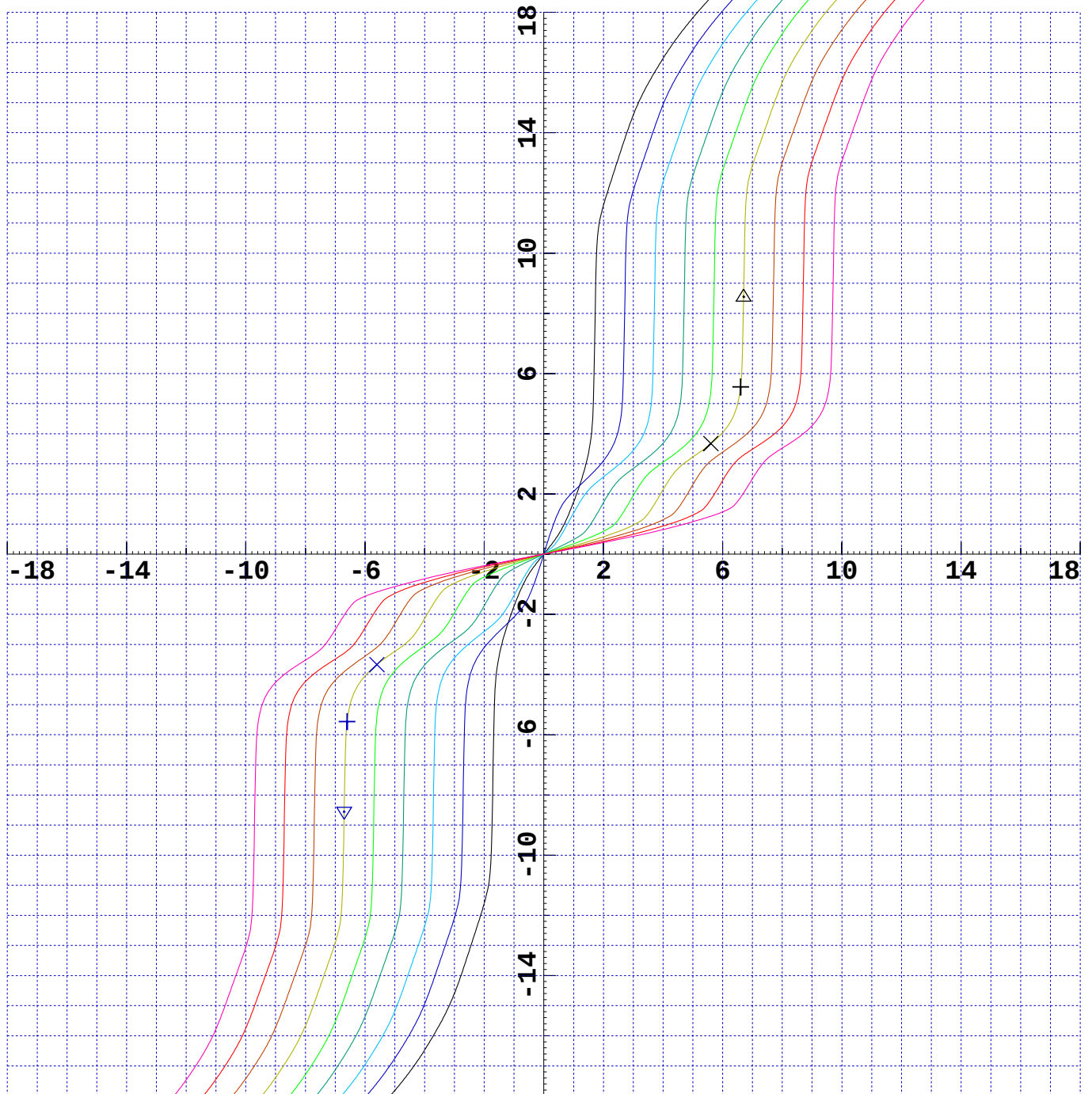
Gauge= 1425 —
 1427 —
 1429 —
 1431 —
 1433 —
 1435 —
 1437 —
 1439 —
 1441 —

Radial Steering Index

× = $\Delta r_E = 3.67$ left curve
 × = $\Delta r_E = 3.67$ right curve
 + = $A0r = 6.60$ 5.55
 + = $A0l = -6.60$ -5.56

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/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
 wprof_lat_shift=0 Gauge= 1425-1441

rr-rl

Ident: kpfr_001

GENSYS-KPF.1308

Delta_Y=

.1

.5

2

3

4

6

Gauge= 1425

—

.602

.634

1.271

1.315

1.284

1.202

1427

—

1.156

1.115

.804

1.094

1.194

1.160

1429

—

.388

.460

.653

.588

.913

1.086

1431

—

.227

.229

.356

.450

.451

.938

1433

—

.169

.170

.184

.257

.340

.577

1435

—

.136

.137

.143

.153

.205

.302

1437

—

.116

.116

.119

.124

.134

.230

1439

—

.102

.102

.104

.108

.113

.153

1441

—

.093

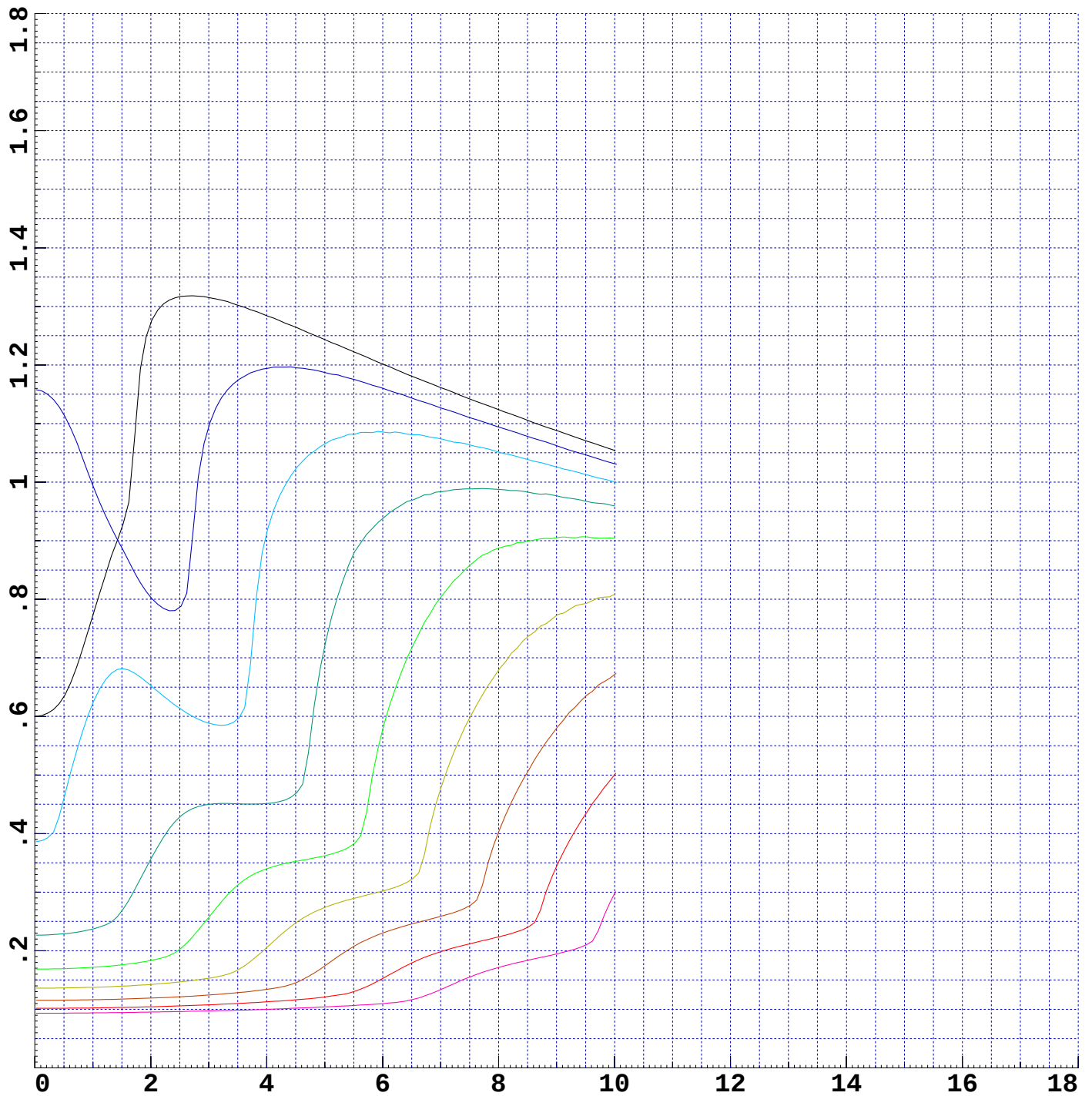
.093

.095

.097

.100

.110



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

Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail

wprof_lat_shift= 0 Gauge= 1425-1441

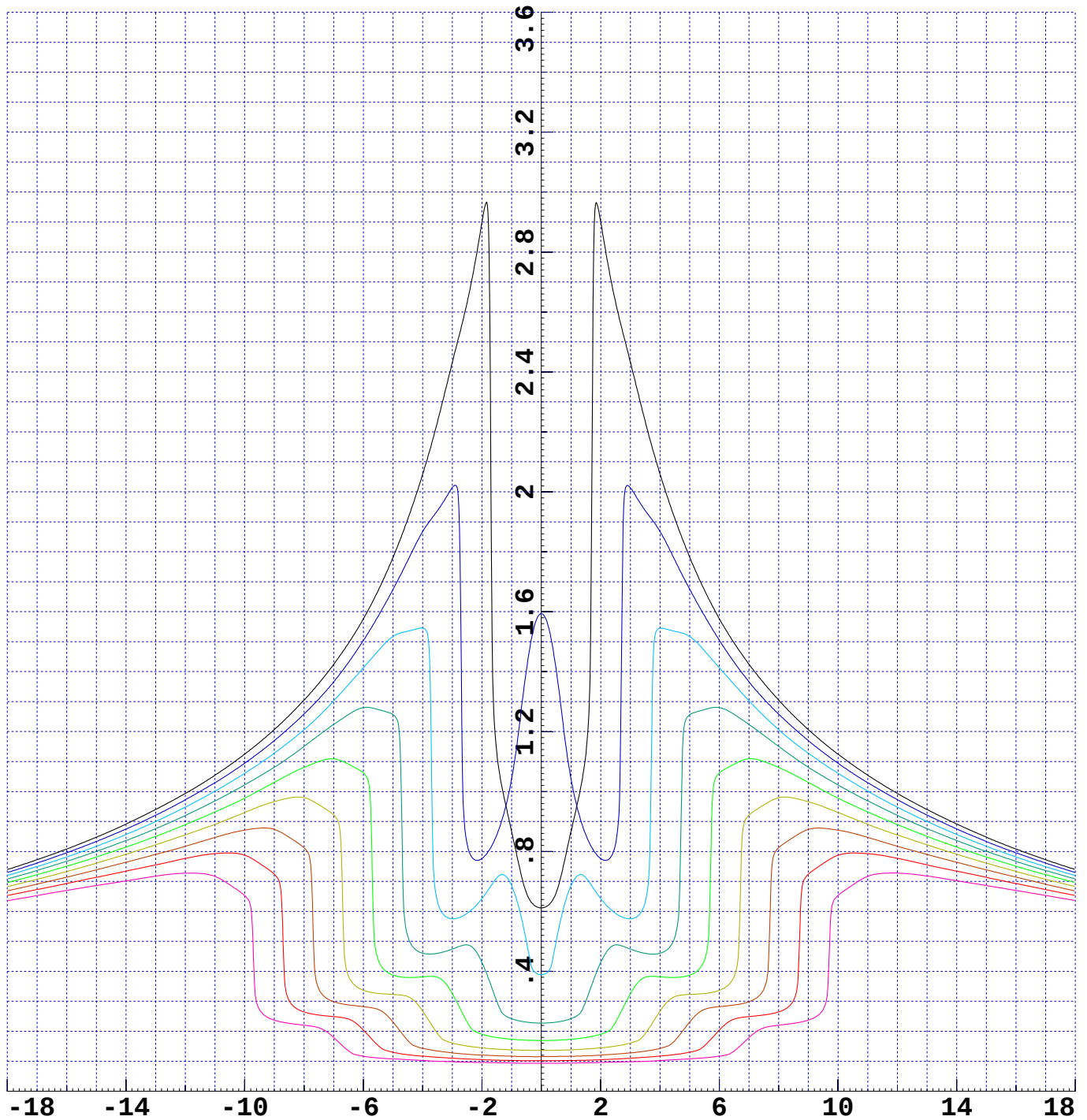
UIC519

Ident: kpfr_001

GENSYS-KPF.1308

Delta_Y=

		.1	.5	2	3	4	6
Gauge=	1425	.613	.661	2.900	2.432	2.059	1.576
	1427	1.586	1.407	.776	2.014	1.867	1.504
	1429	.390	.499	.643	.575	1.545	1.413
	1431	.227	.230	.430	.474	.461	1.280
	1433	.169	.170	.190	.325	.382	1.062
	1435	.136	.137	.145	.161	.267	.337
	1437	.116	.116	.121	.128	.143	.282
	1439	.102	.102	.105	.110	.117	.204
	1441	.093	.093	.096	.098	.102	.117



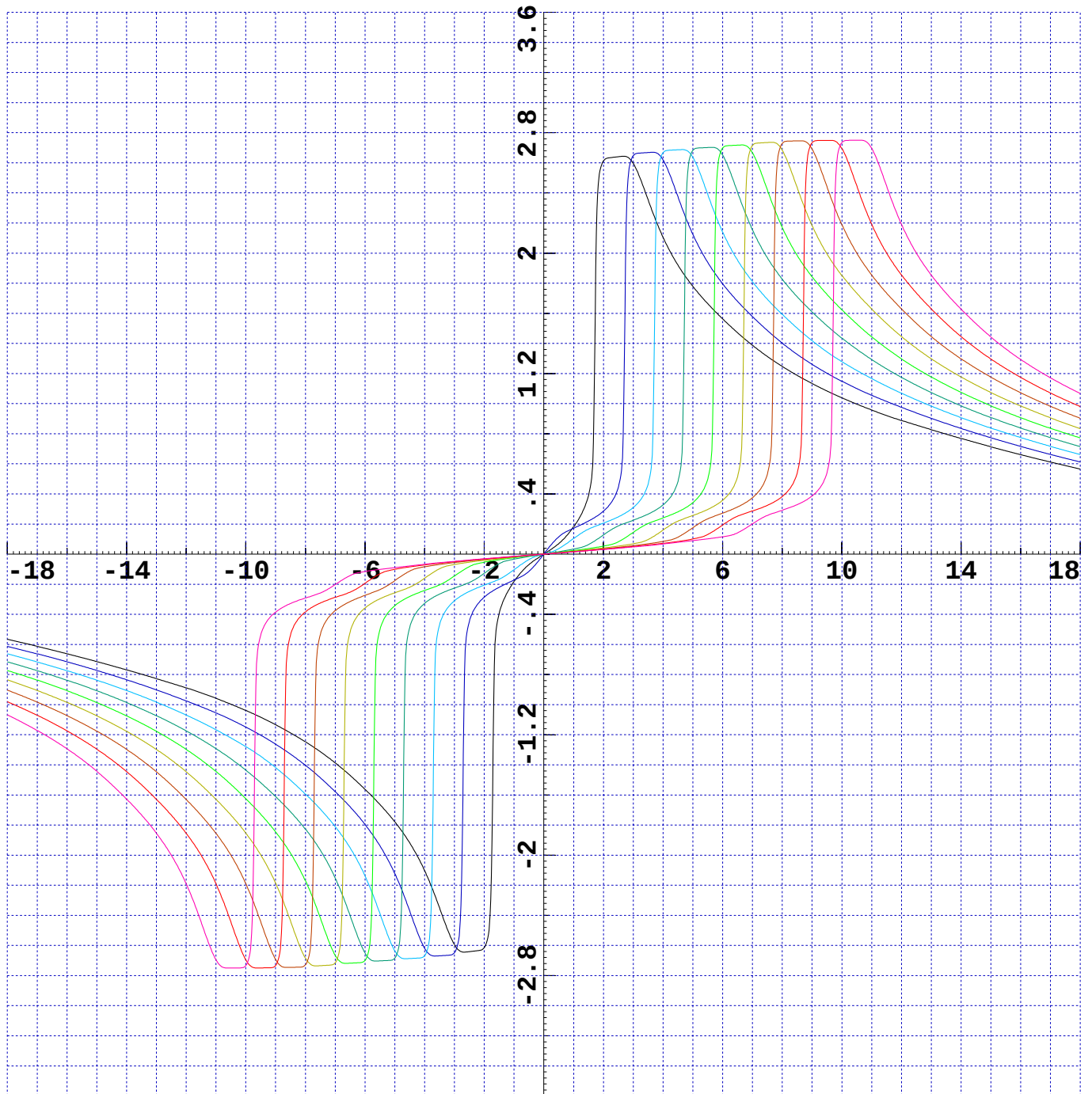
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
 Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
 Wprof_lat_shift= 0 Gauge= 1425-1441

lambda

Ident: kpfr_001

GENSYS-KPF.1308

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

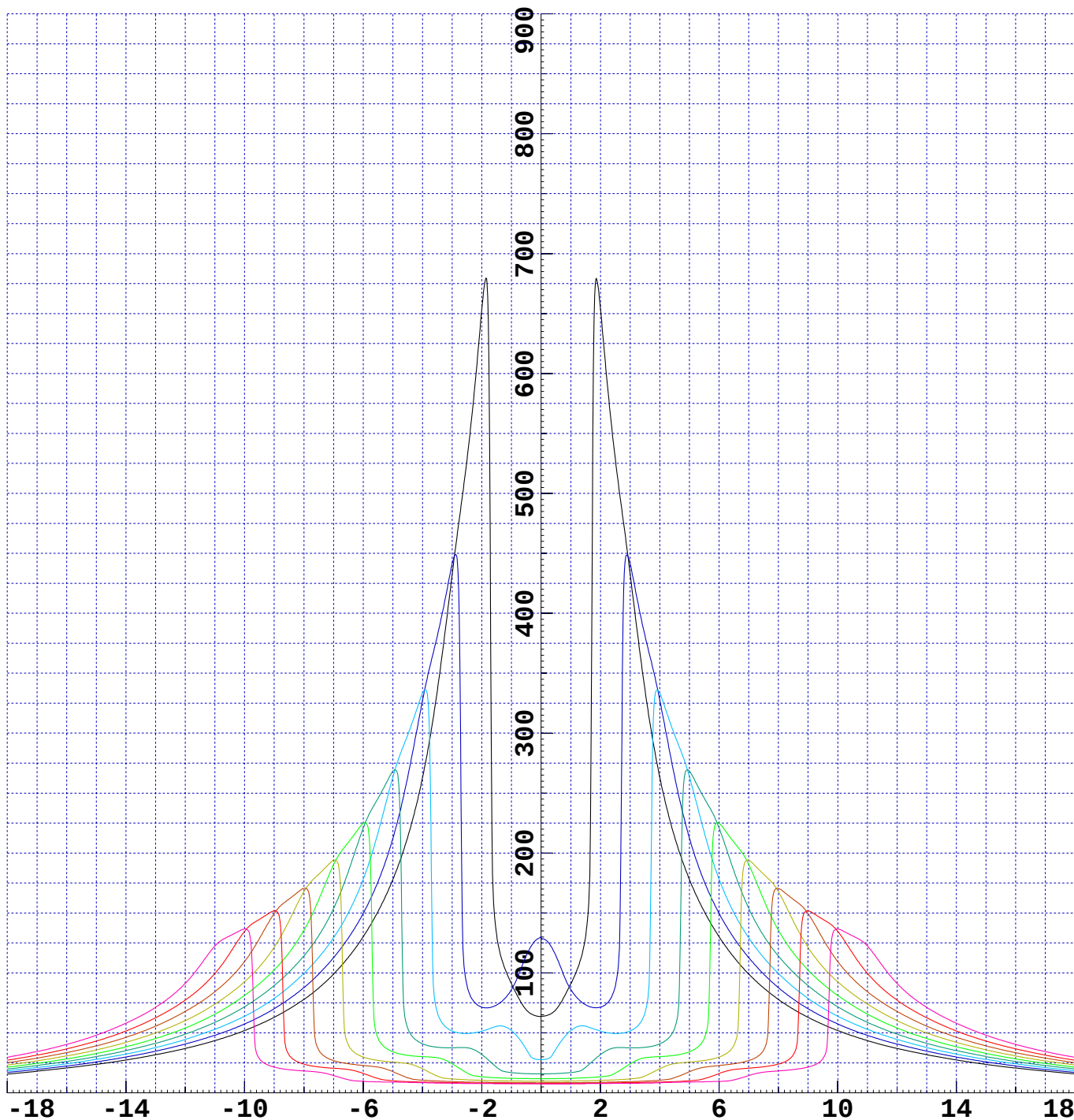


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel tan_Ga
 Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
 Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_001

GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	63.89	69.28	653.50	432.53	263.01	130.21
1427	—	128.17	114.24	71.44	441.31	327.42	149.64
1429	—	27.79	36.28	51.49	51.66	333.44	178.28
1431	—	15.81	16.04	32.01	37.60	40.88	220.95
1433	—	11.81	11.88	13.37	24.18	30.15	224.86
1435	—	9.69	9.72	10.31	11.51	20.01	29.81
1437	—	8.44	8.46	8.81	9.38	10.54	22.75
1439	—	7.73	7.75	8.01	8.41	8.99	16.11
1441	—	7.43	7.44	7.71	7.95	8.37	9.57



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

Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail

wprof_lat_shift= 0 Gauge= 1425-1441

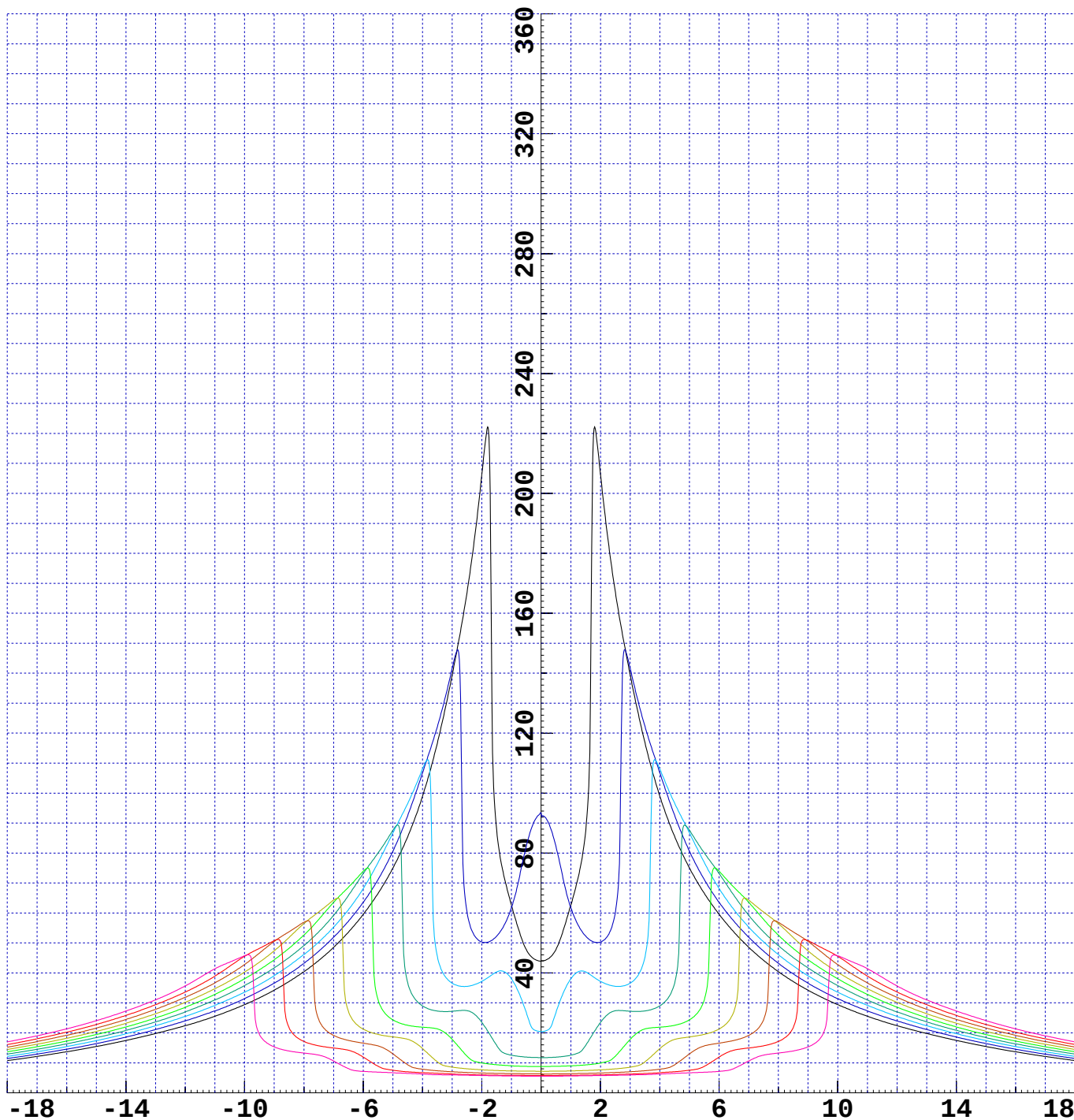
KAPPA

Ident: kpfr_001

GENSYS-KPF.1308

Delta_Y=

		.1	.5	2	3	4	6
Gauge=	1425	44.12	47.79	206.22	139.40	98.97	59.57
	1427	92.26	82.22	50.33	141.66	106.80	63.56
	1429	20.54	26.77	37.16	36.55	108.08	68.17
	1431	11.74	11.91	23.52	27.22	29.01	73.20
	1433	8.79	8.84	9.94	17.80	21.87	73.97
	1435	7.22	7.24	7.68	8.57	14.75	21.25
	1437	6.30	6.32	6.58	6.99	7.85	16.56
	1439	5.78	5.79	5.99	6.28	6.71	11.91
	1441	5.56	5.57	5.76	5.95	6.26	7.14



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
 Left rail: r_prof/SEC001_l.short.rail Right rail: r_prof/SEC001_r.short.rail
 Wprof_lat_shift= 0 Gauge= 1425-1441

EPS

Ident: kpfr_001

GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	.41	.41	.66	1.09	1.25	1.28
1427	—	.30	.30	.29	.49	.85	1.09
1429	—	.16	.16	.21	.24	.39	.87
1431	—	.13	.13	.15	.18	.20	.59
1433	—	.12	.12	.12	.13	.15	.29
1435	—	.10	.10	.10	.11	.11	.15
1437	—	.09	.09	.09	.09	.10	.12
1439	—	.08	.08	.08	.08	.08	.09
1441	—	.07	.07	.07	.07	.07	.07

