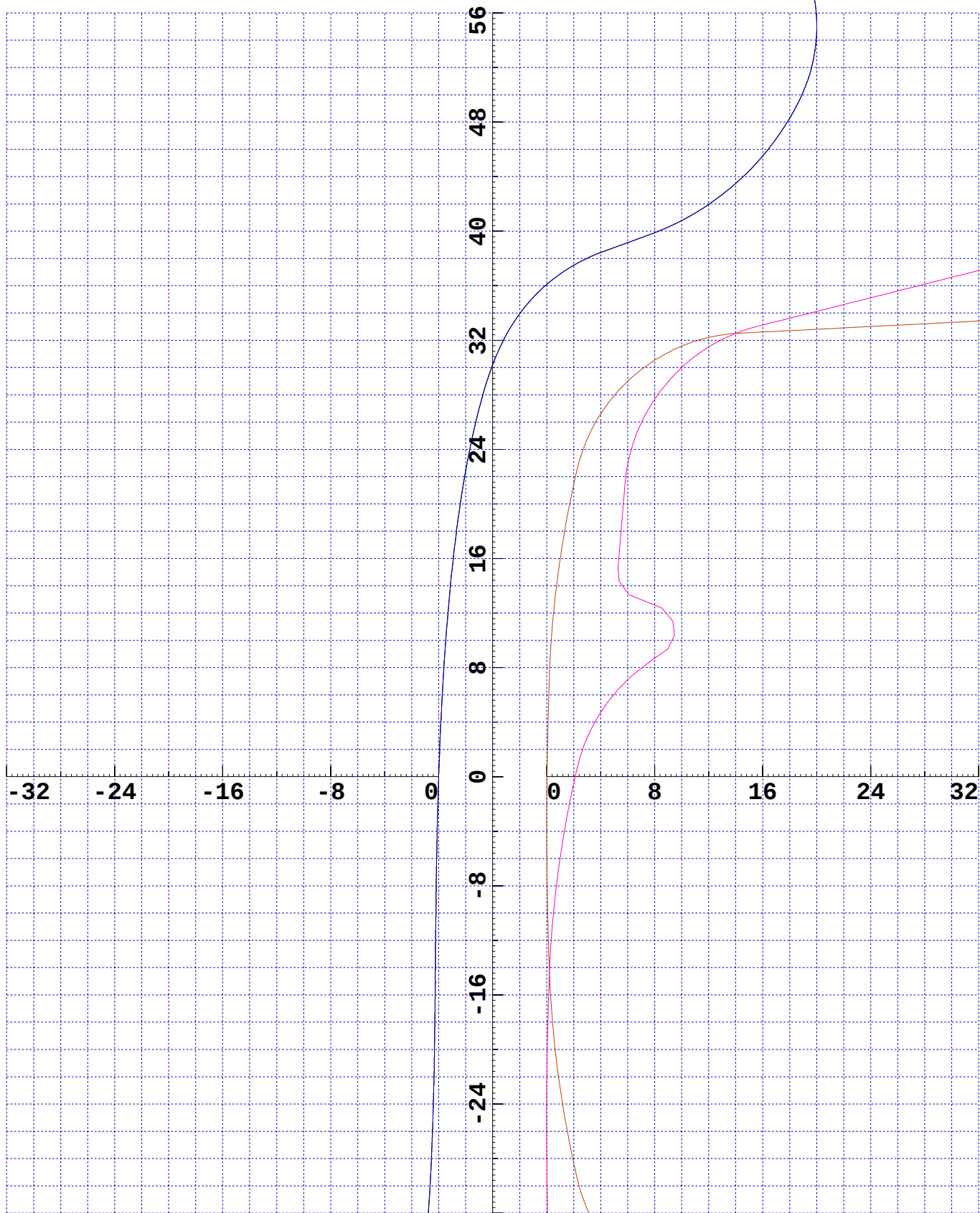
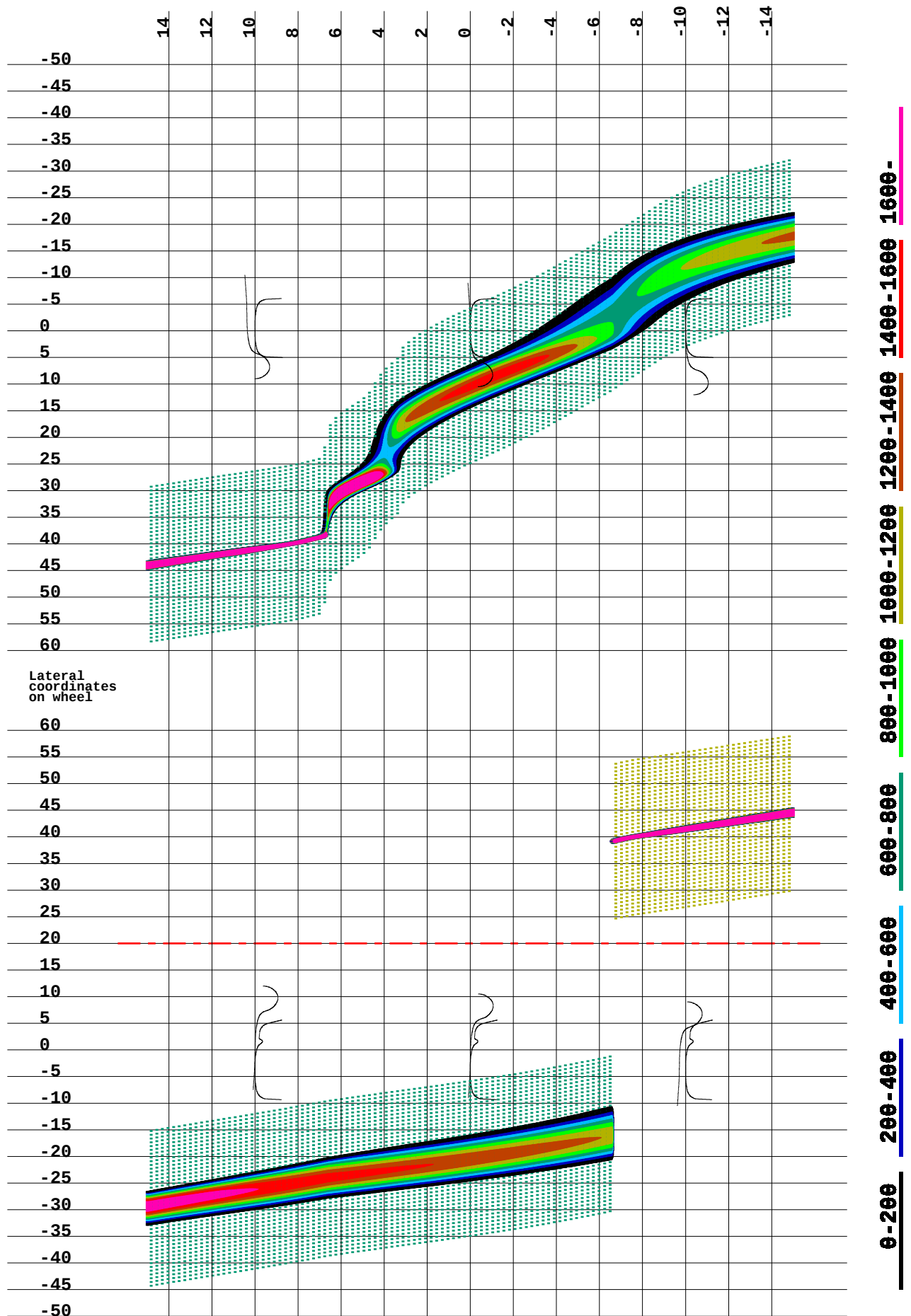


- Right wheel
- Left wheel
- Right rail
- Left rail



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **WRGEOM**
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_006

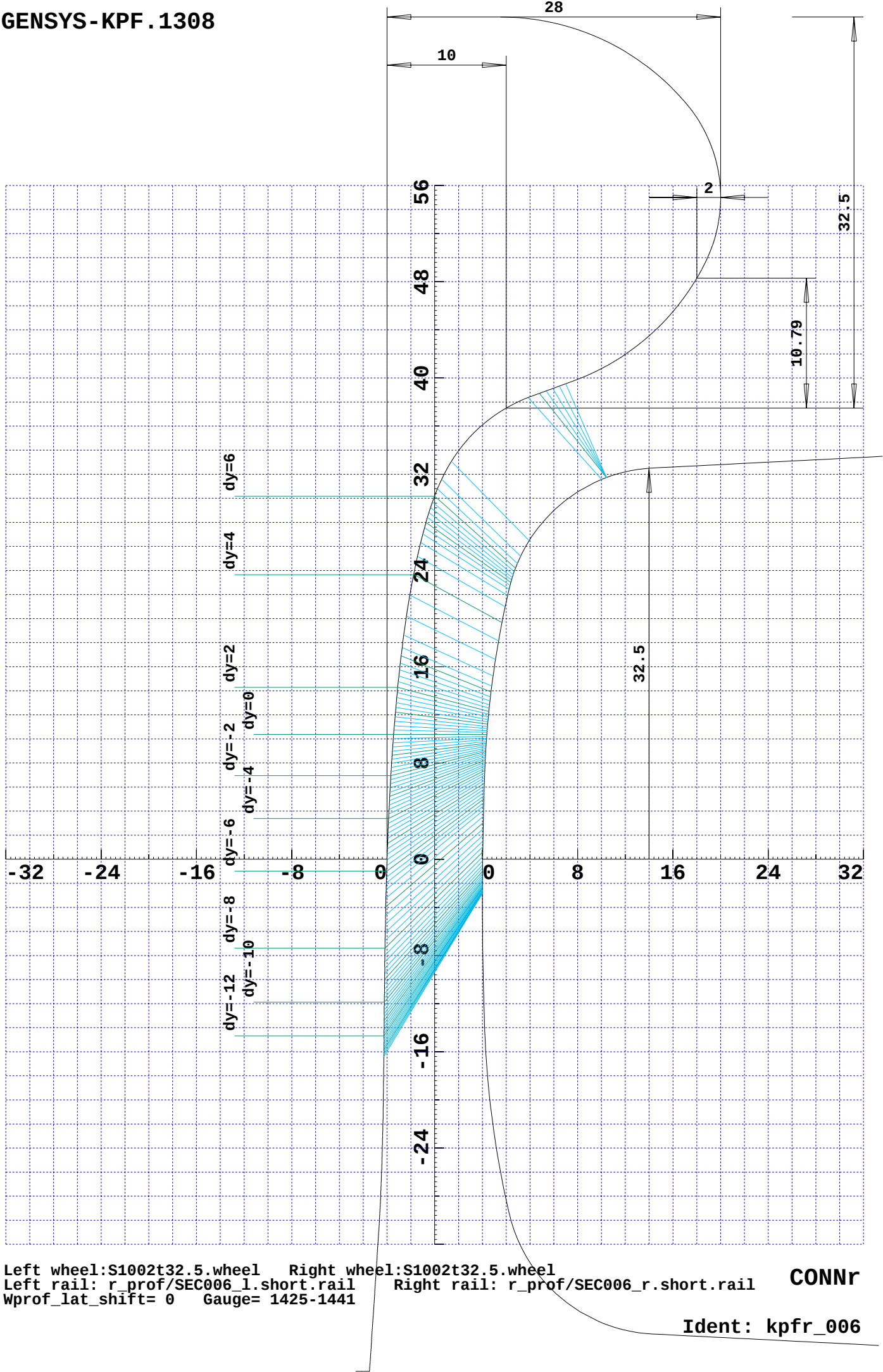


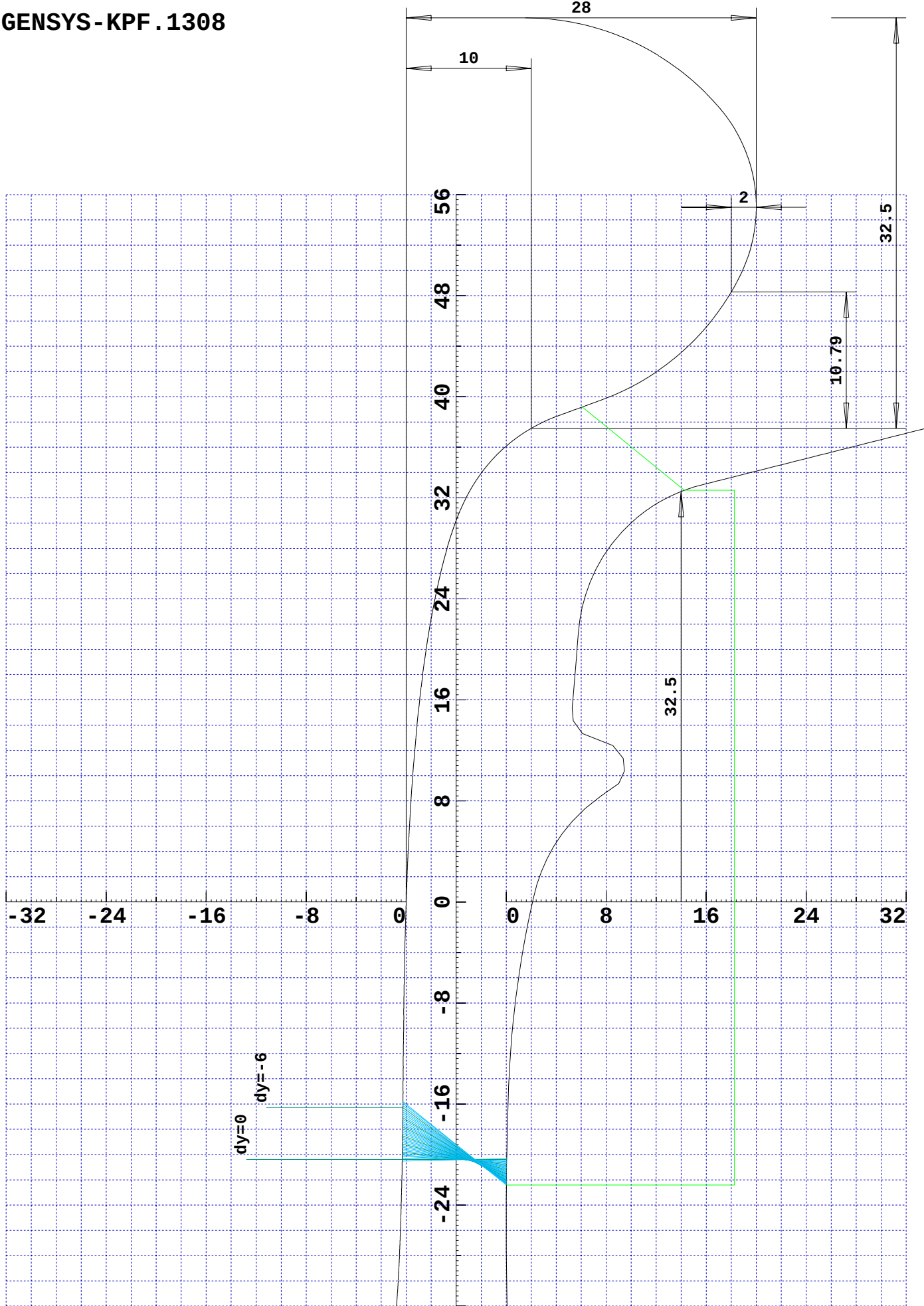
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel

Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.sho

Wprof_lat_shift= 0 Gauge= 1425-1441

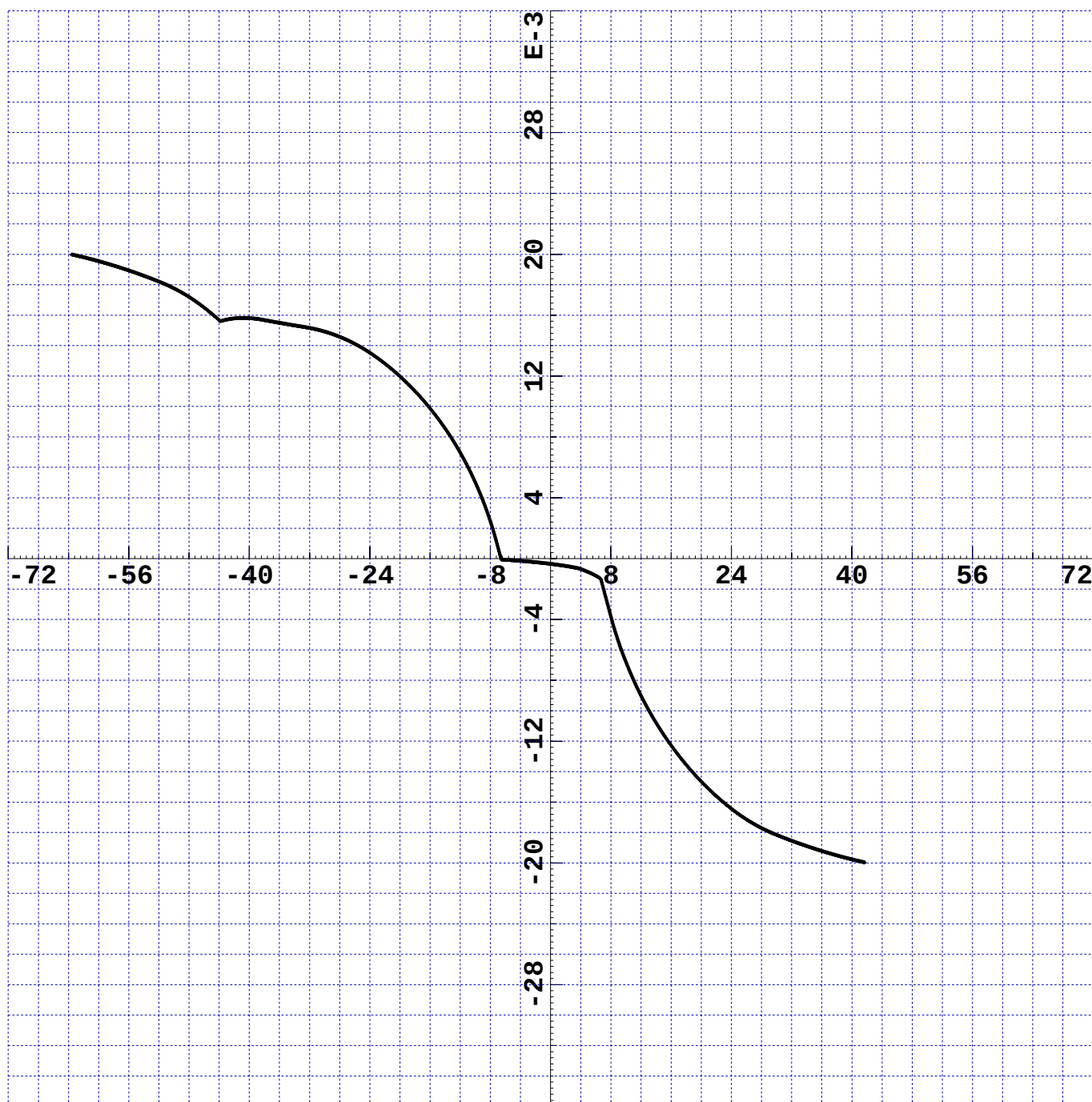
Contact Pressure





Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **CONN1**
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

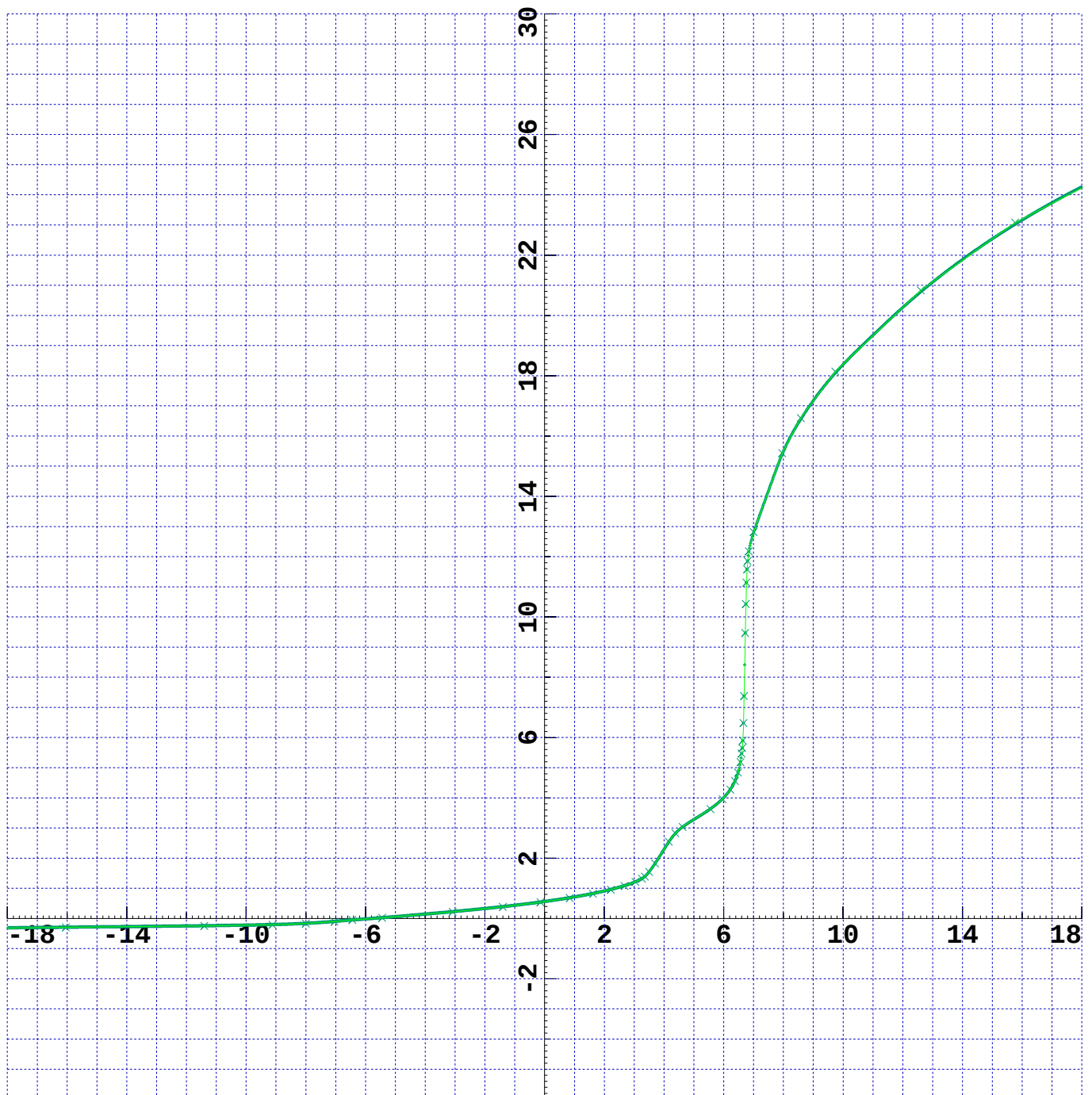
Ident: kpfr_006



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Flax1

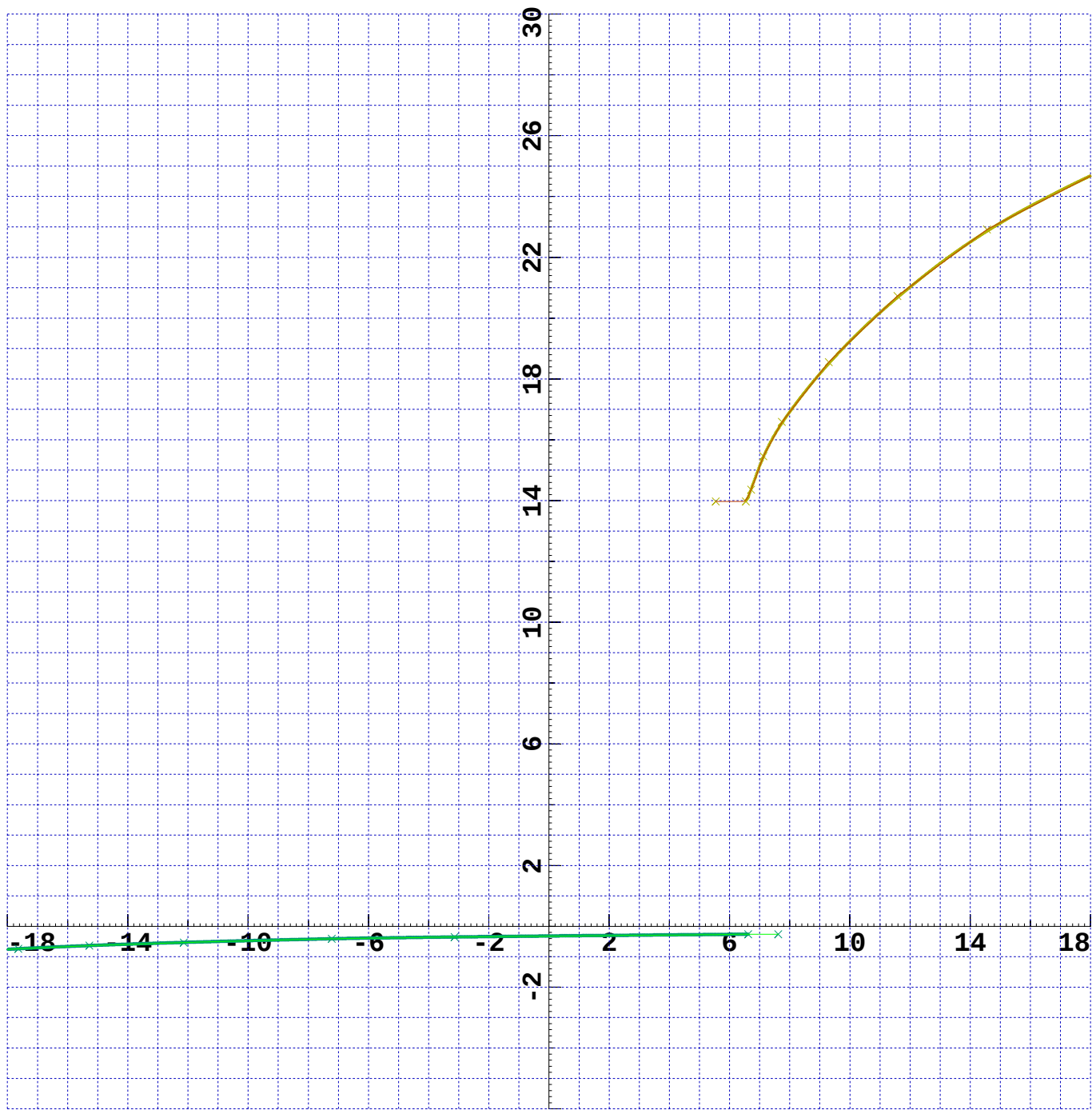
Ident: kpfr_006



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

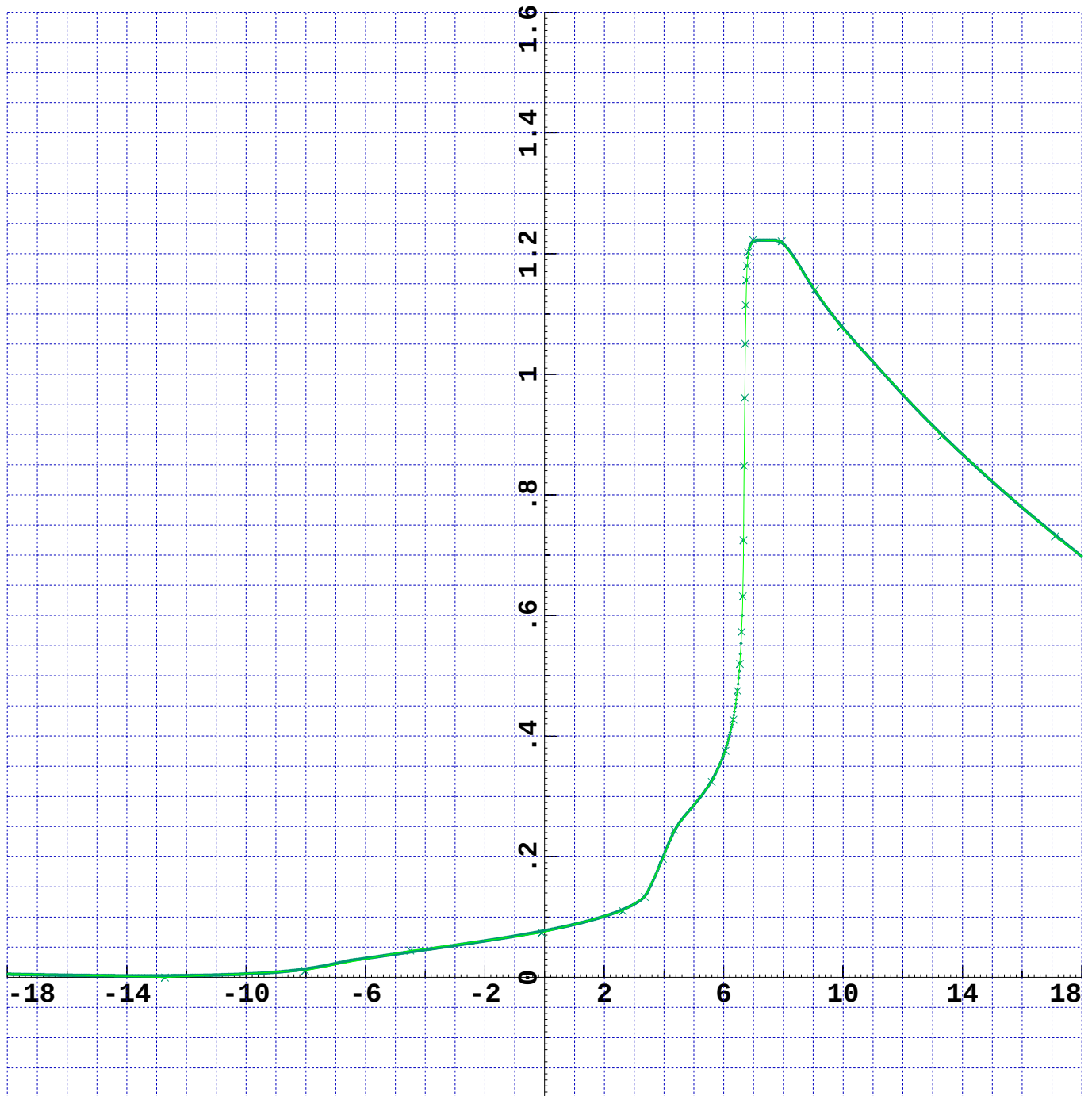
DRFNr

Ident: kpfr_006



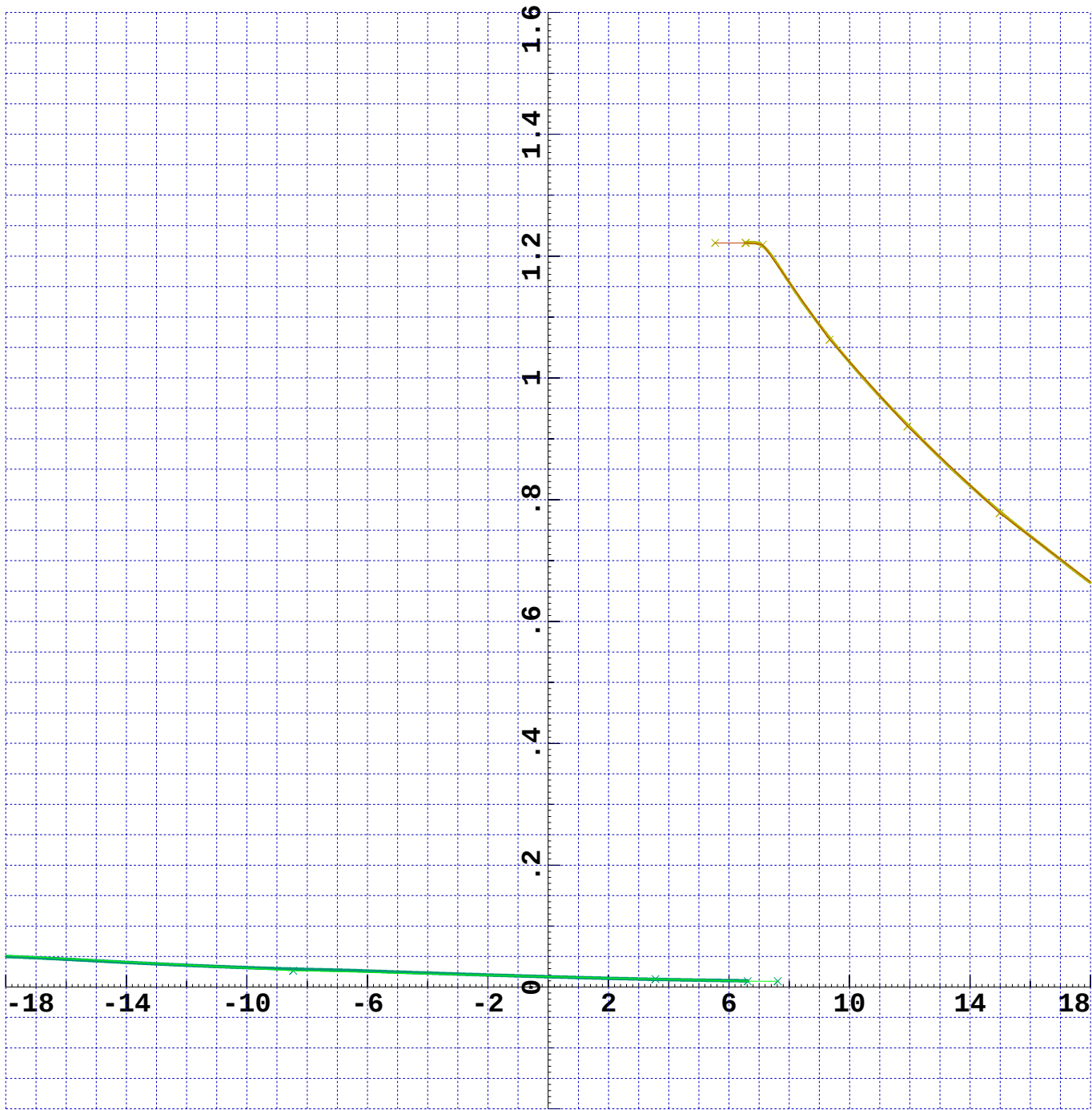
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **DRFN1**
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_006



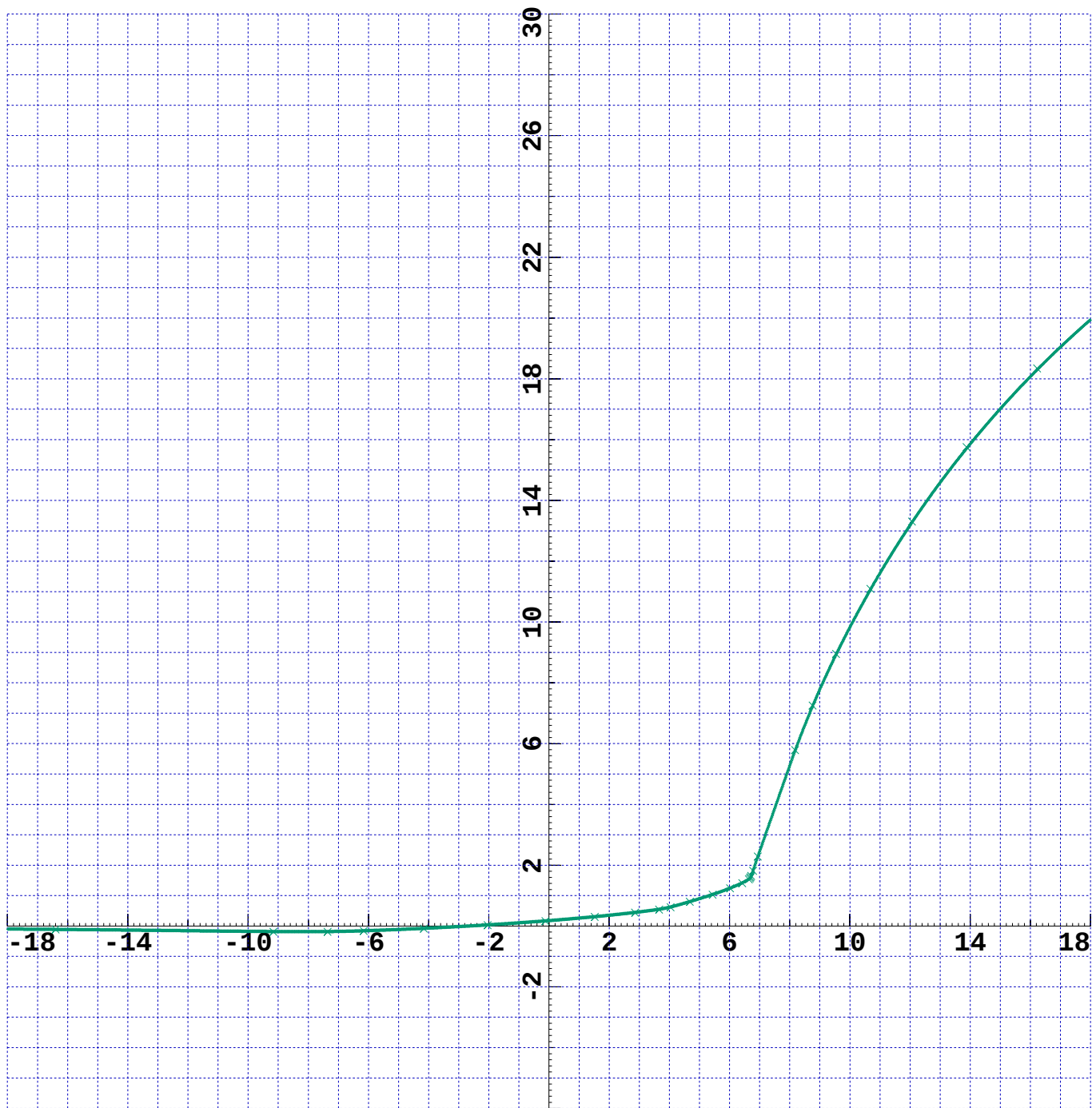
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel GAMFNR
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_006



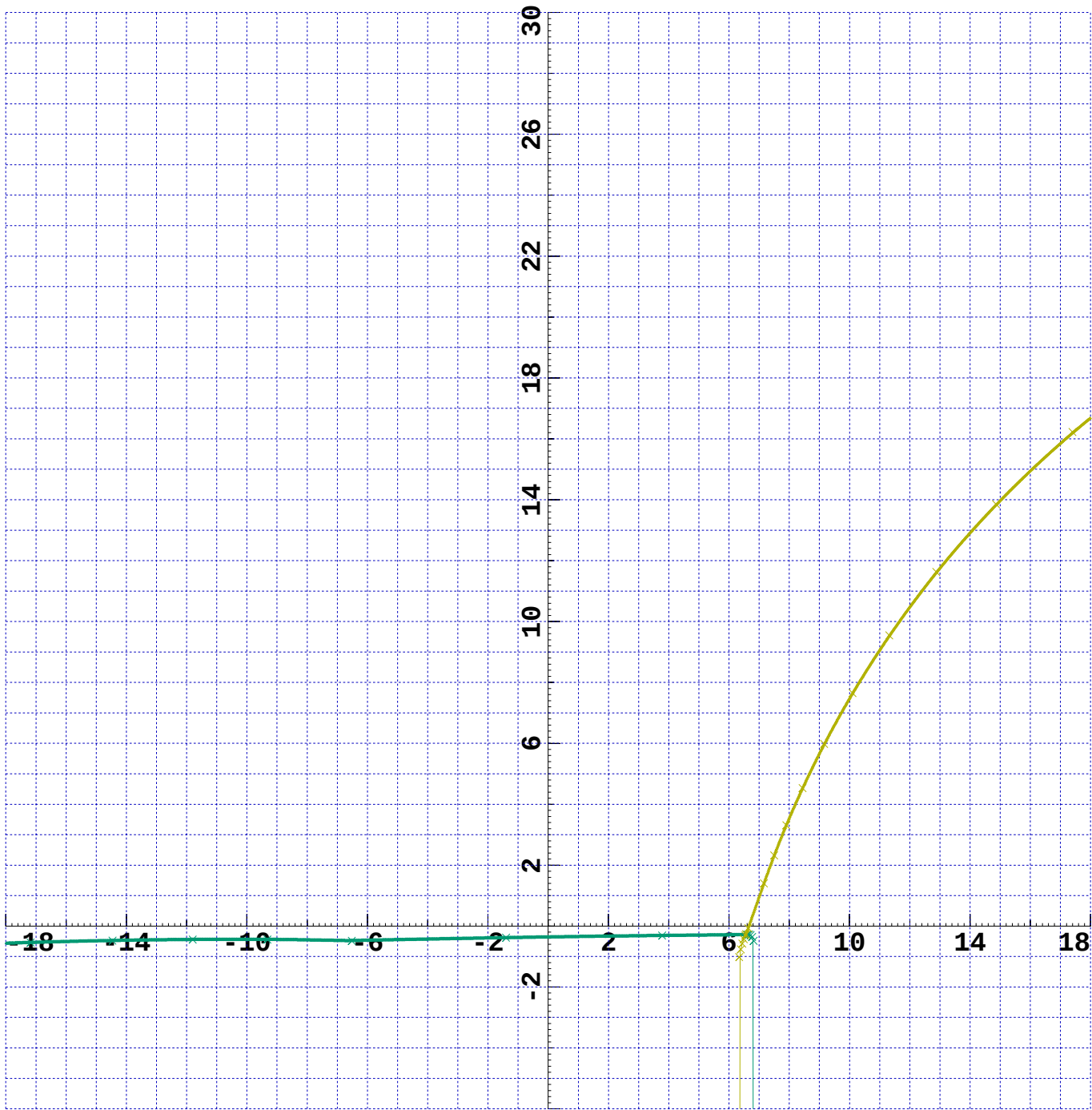
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel GAMFN1
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_006



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel ZFNr
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_006

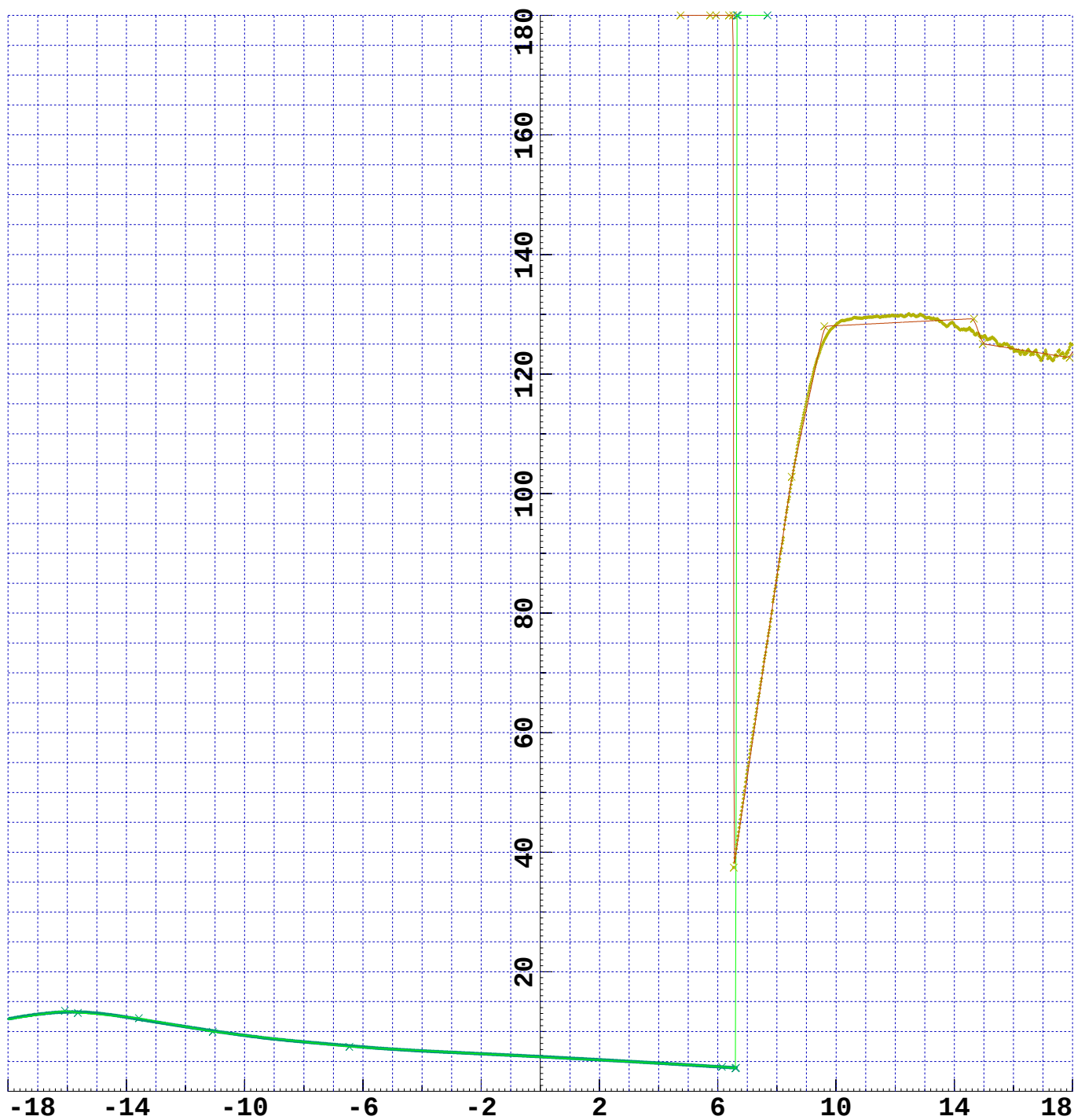




Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ROFNr

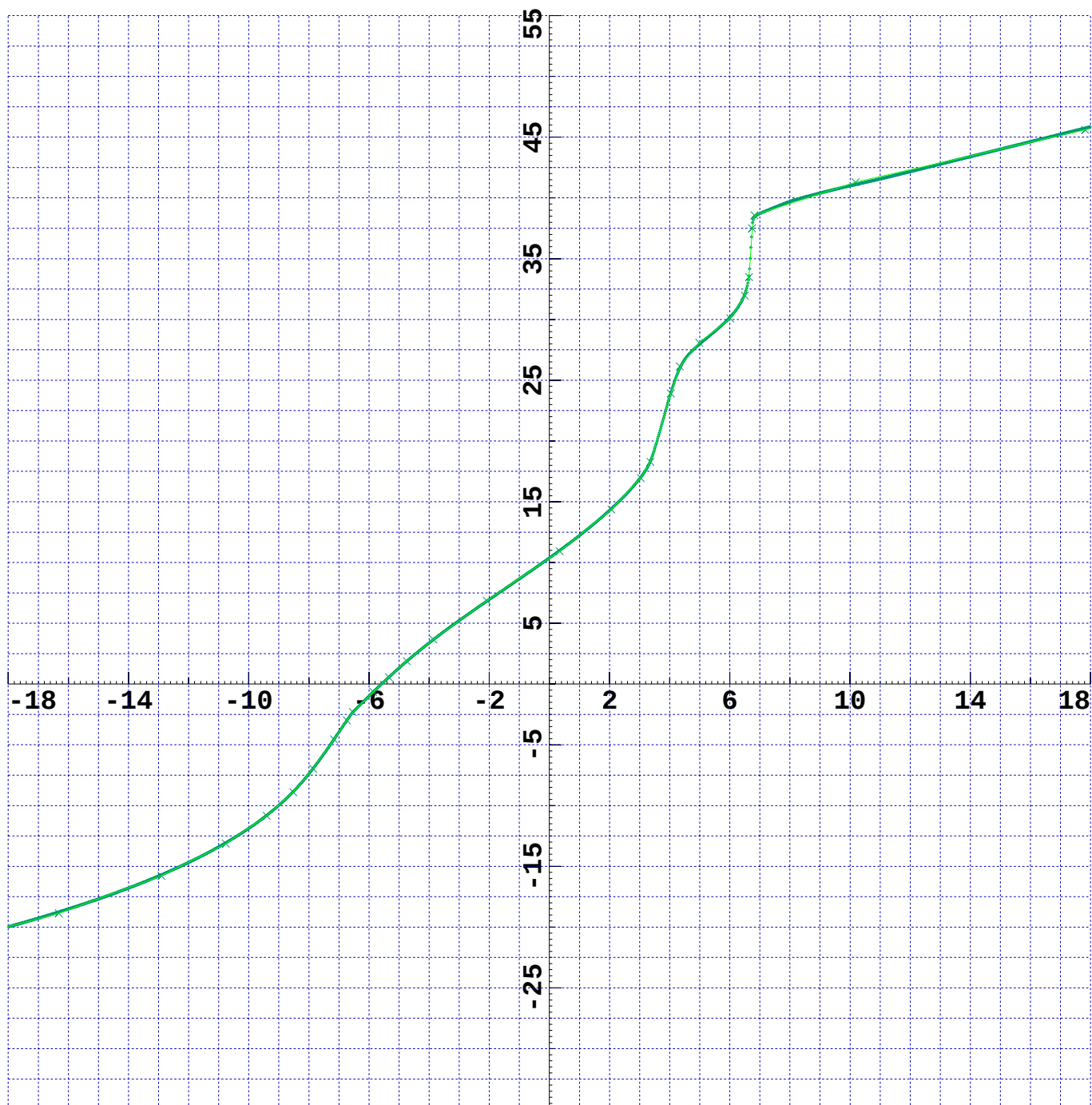
Ident: kpfr_006



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ROFN1

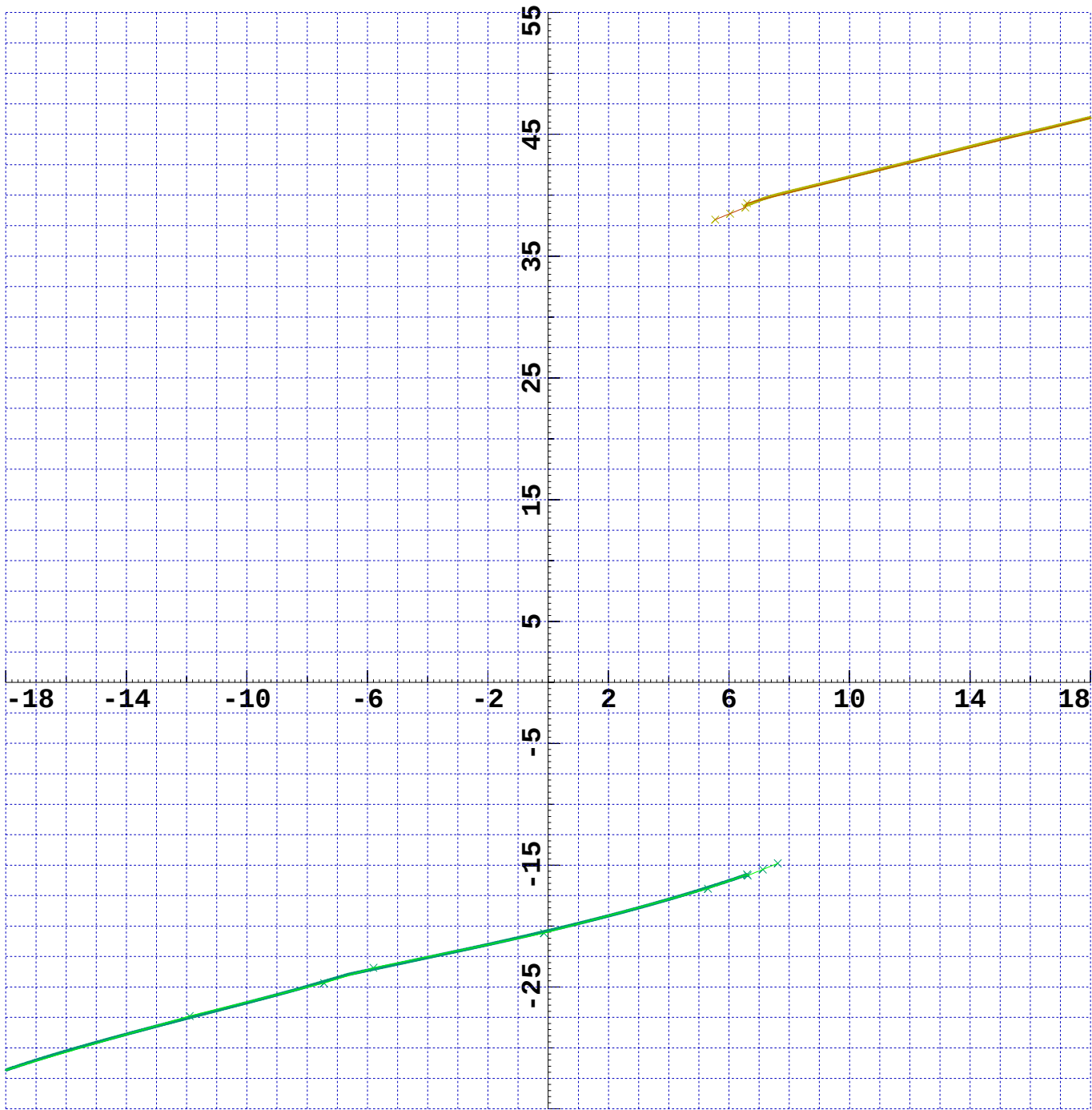
Ident: kpfr_006



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

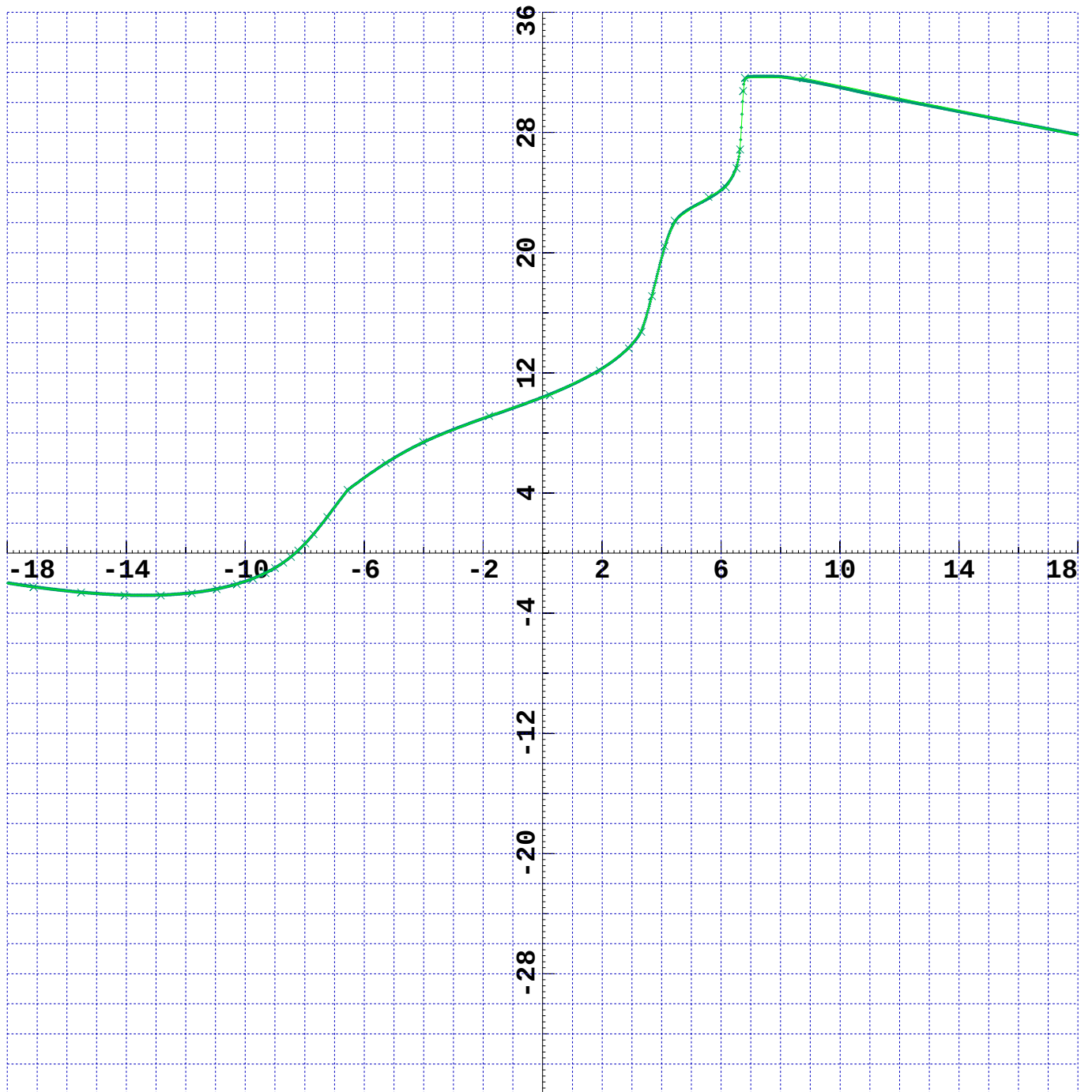
POSWr

Ident: kpfr_006



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel POSW1
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

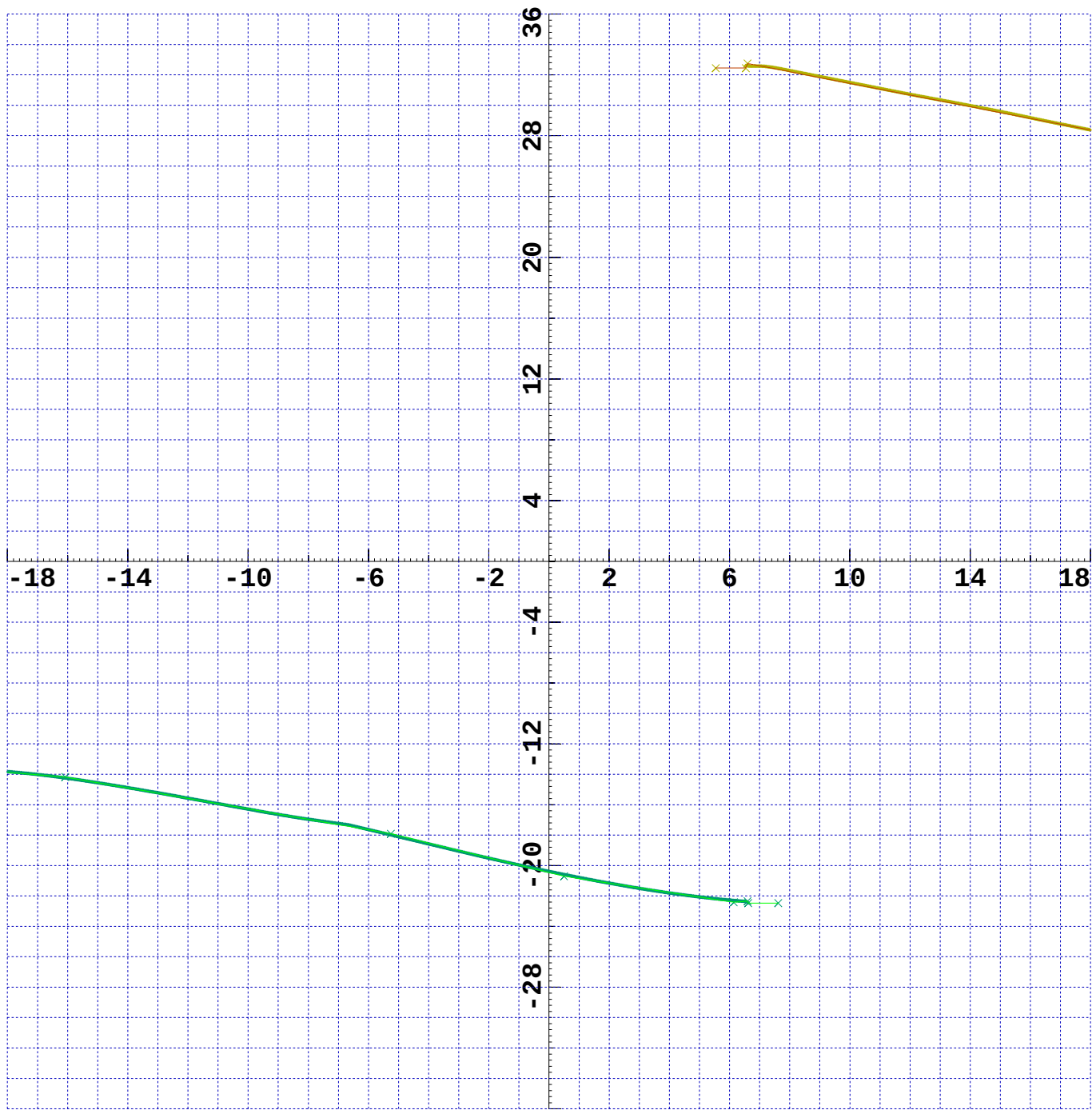
Ident: kpfr_006



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

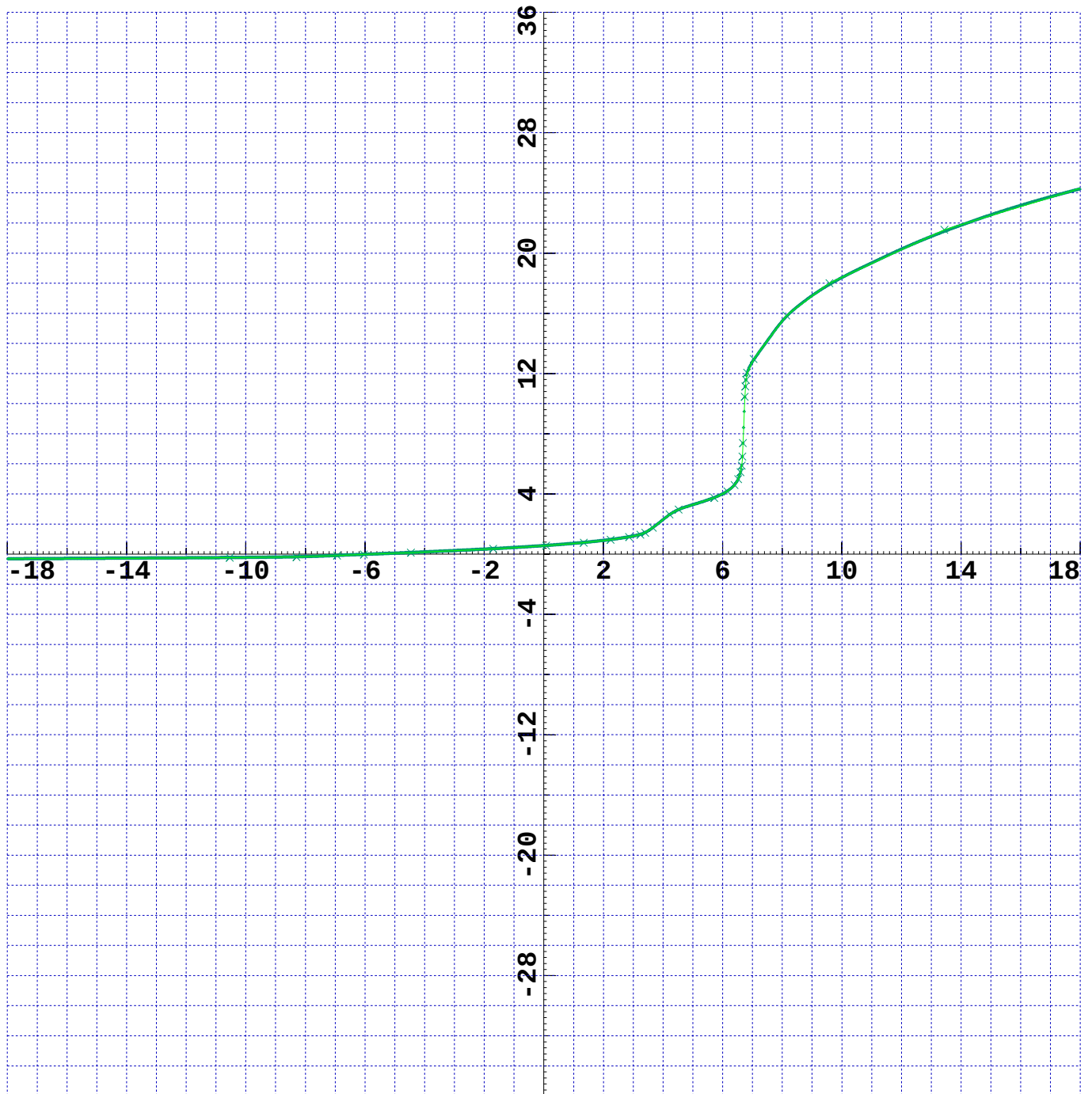
POSRR

Ident: kpfr_006



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel POSR1
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

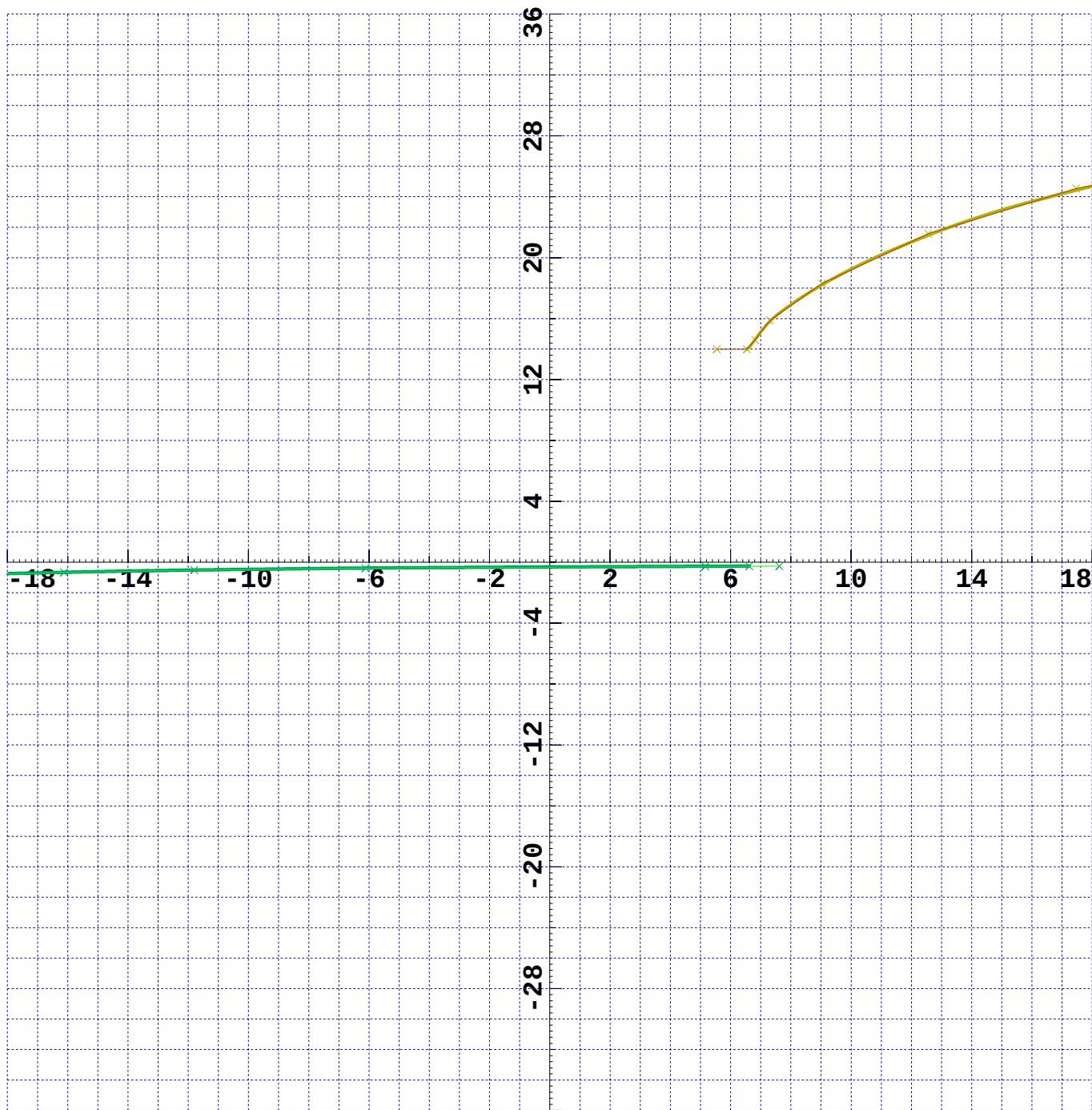
Ident: kpfr_006



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ZWr

Ident: kpfr_006



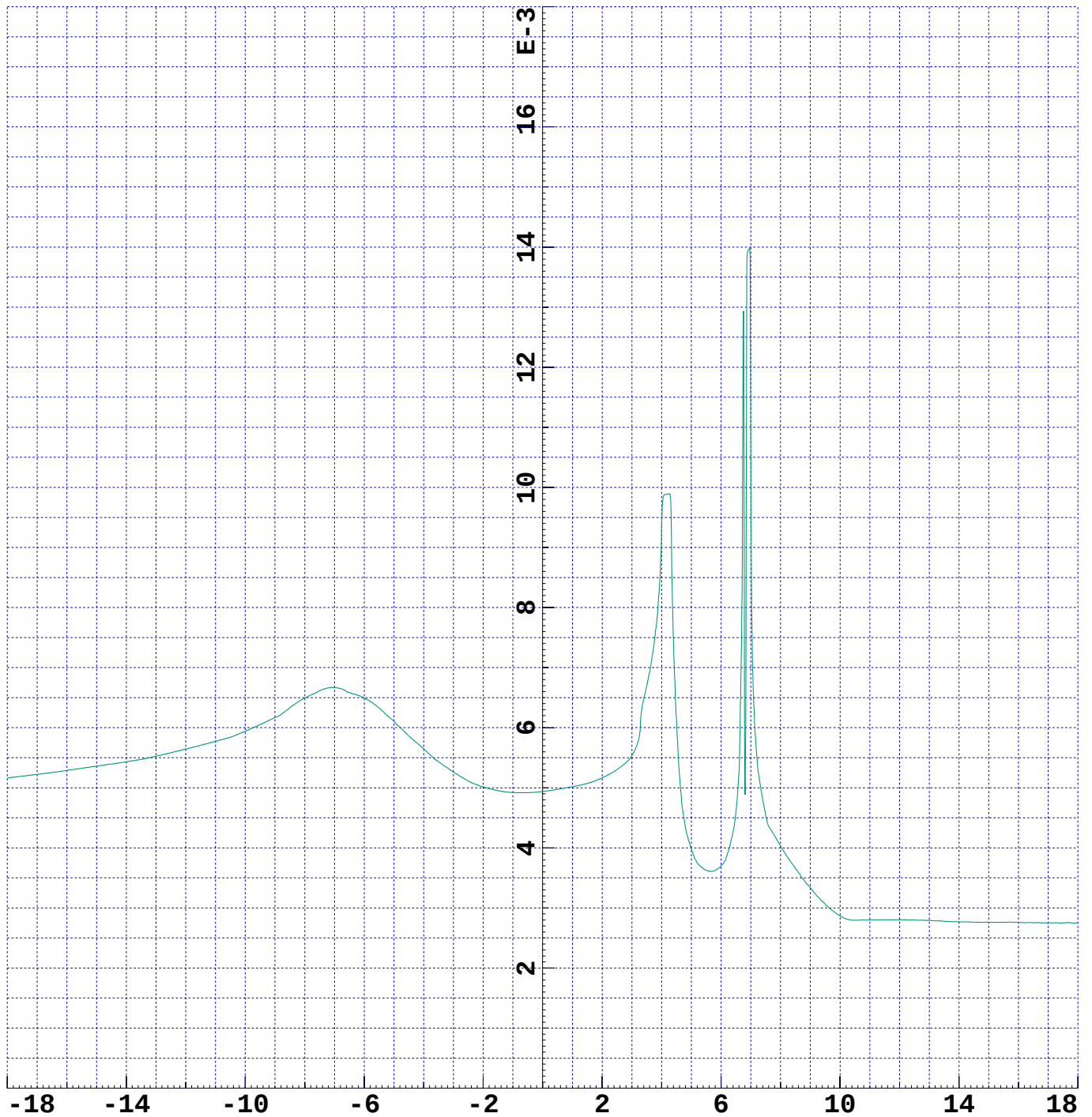
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ZW1

Ident: kpfr_006



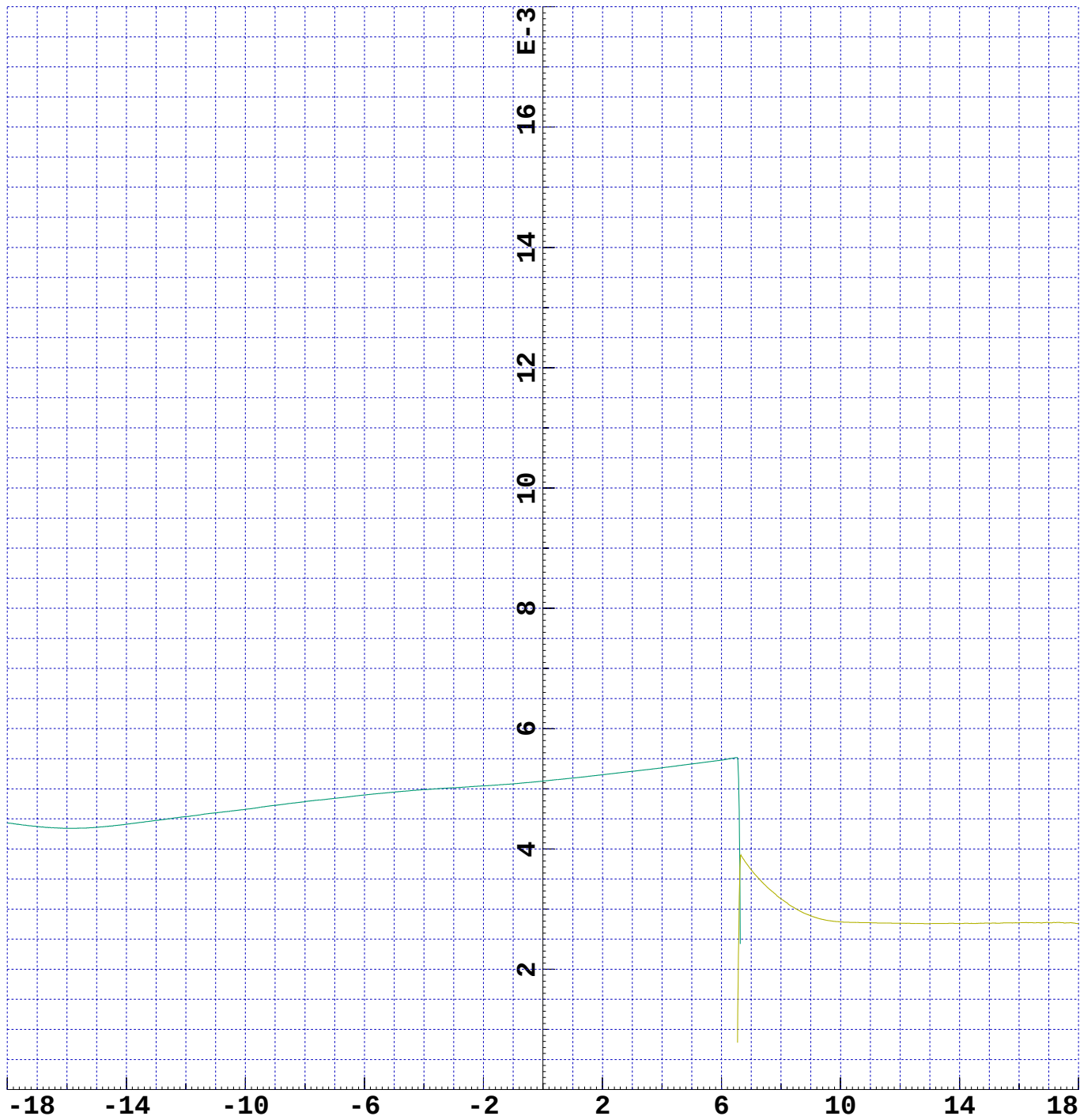




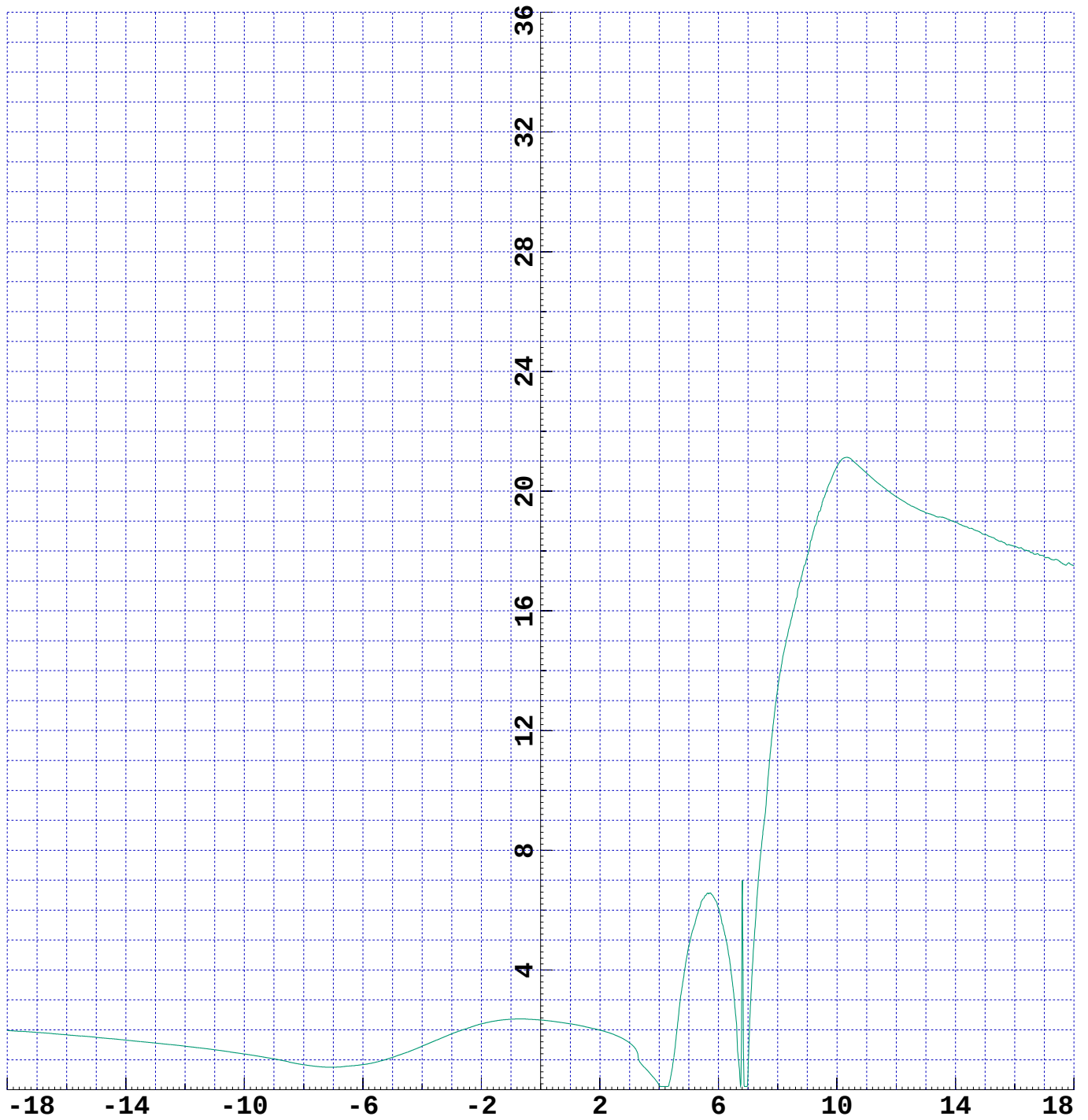
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

C_r

Ident: kpfr_006

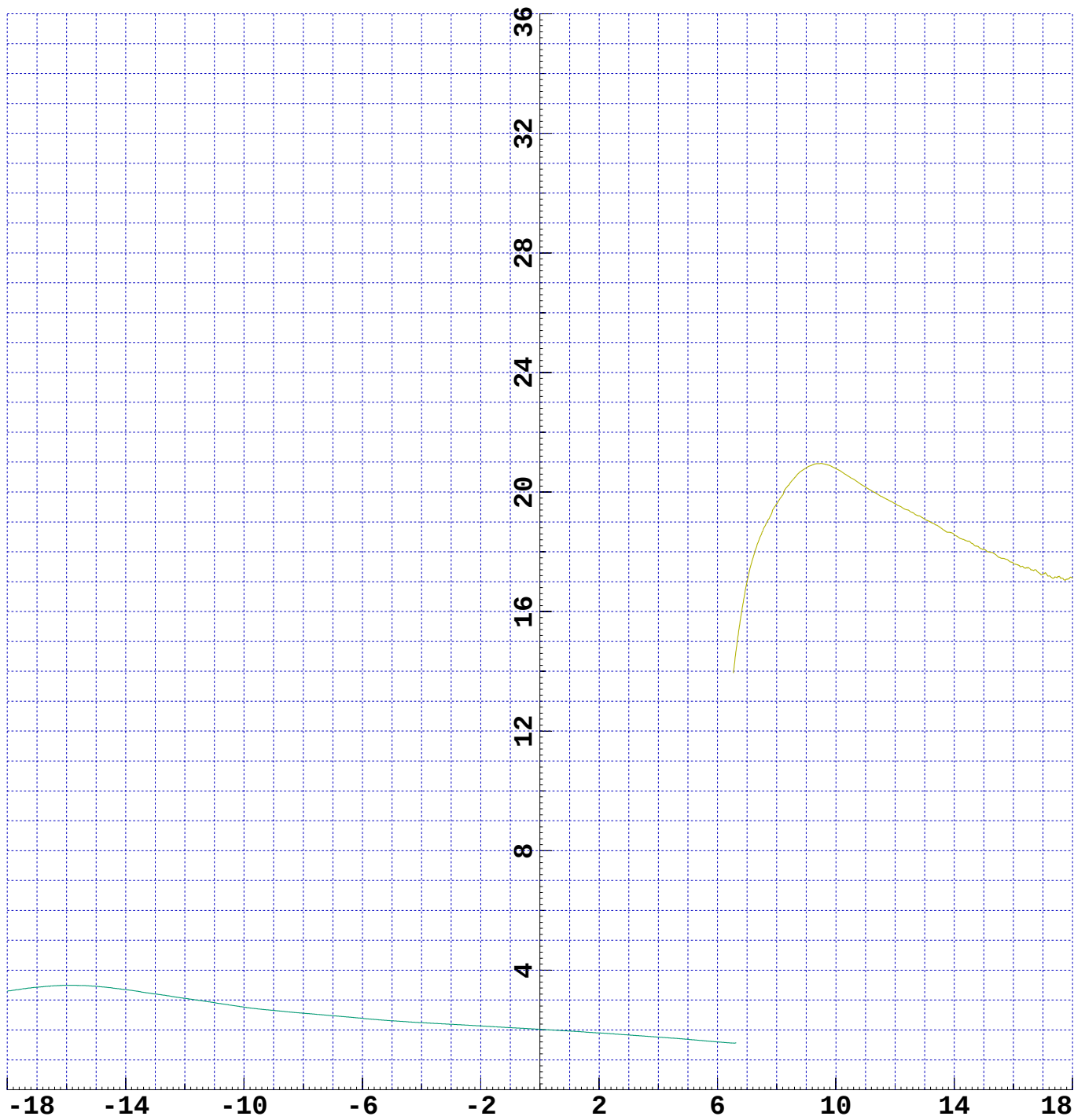


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel C_1
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441
Ident: kpfr_006



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel A/B_r
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_006



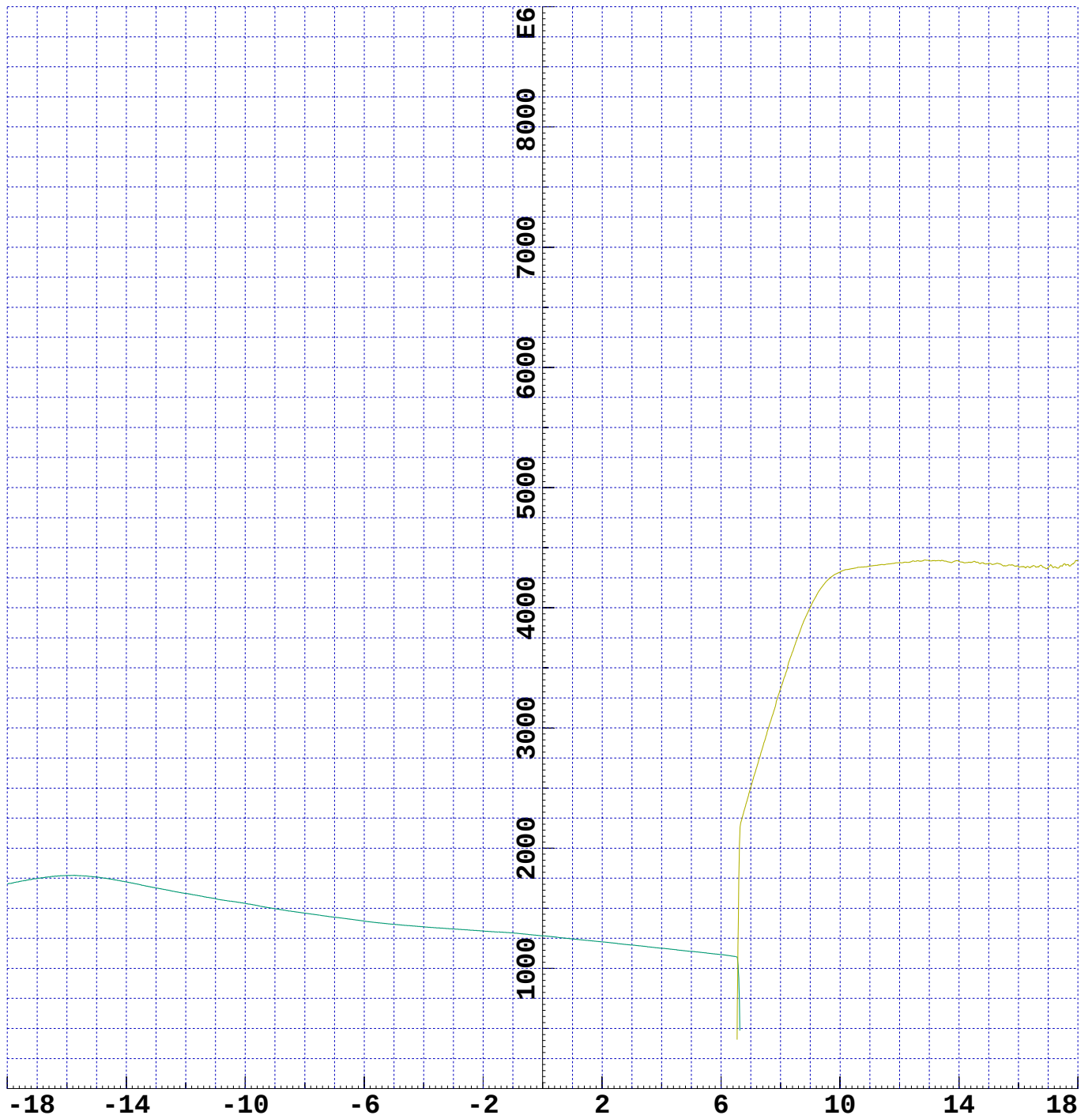
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel A/B_1
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_006



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **SIGMAR**
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_006



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **SIGMA1**
Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_006

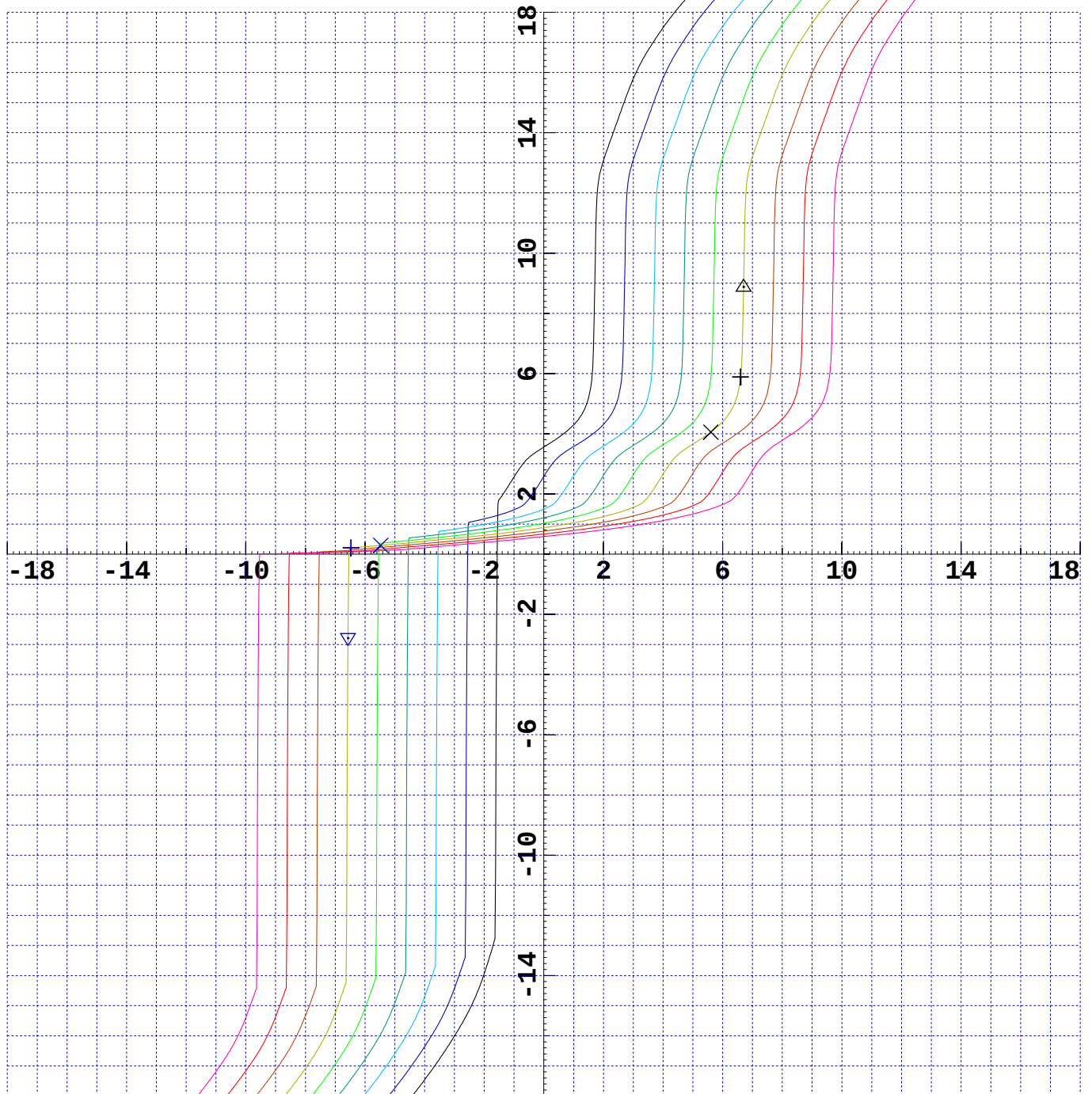
Gauge= 1425 —
 1427 —
 1429 —
 1431 —
 1433 —
 1435 —
 1437 —
 1439 —
 1441 —

Radial Steering Index

× = $\Delta r_E = 4.05$ left curve
 × = $\Delta r_E = 0.29$ right curve
 + = $A0r = 6.60$ 5.88
 + = $A0l = -6.47$.21

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/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail rr-rl
 wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_006

GENSYS-KPF.1308

Delta_Y=

.1

.5

2

3

4

6

Gauge= 1425

1.532

1.484

1.280

1.346

1.309

1.222

1427

1.543

1.351

1.126

1.068

1.218

1.181

1429

1.523

1.246

.734

.853

.868

1.103

1431

1.493

1.114

.533

.473

.599

.938

1433

1.439

.932

.398

.344

.340

.521

1435

1.317

.624

.289

.256

.249

.354

1437

.887

.284

.192

.185

.186

.210

1439

.414

.121

.105

.121

.133

.156

1441

.101

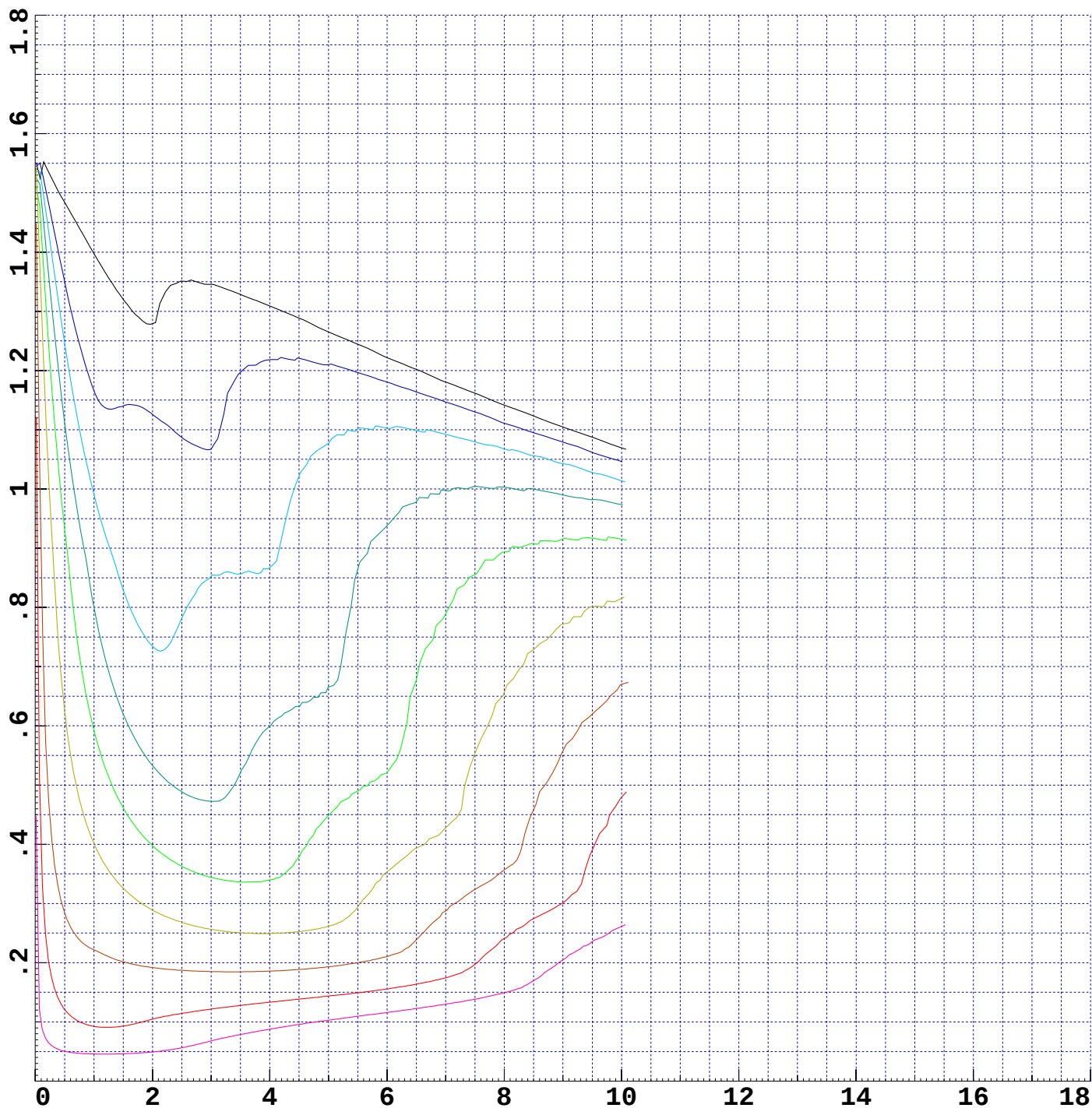
.051

.049

.068

.088

.116



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

Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail

wprof_lat_shift= 0 Gauge= 1425-1441

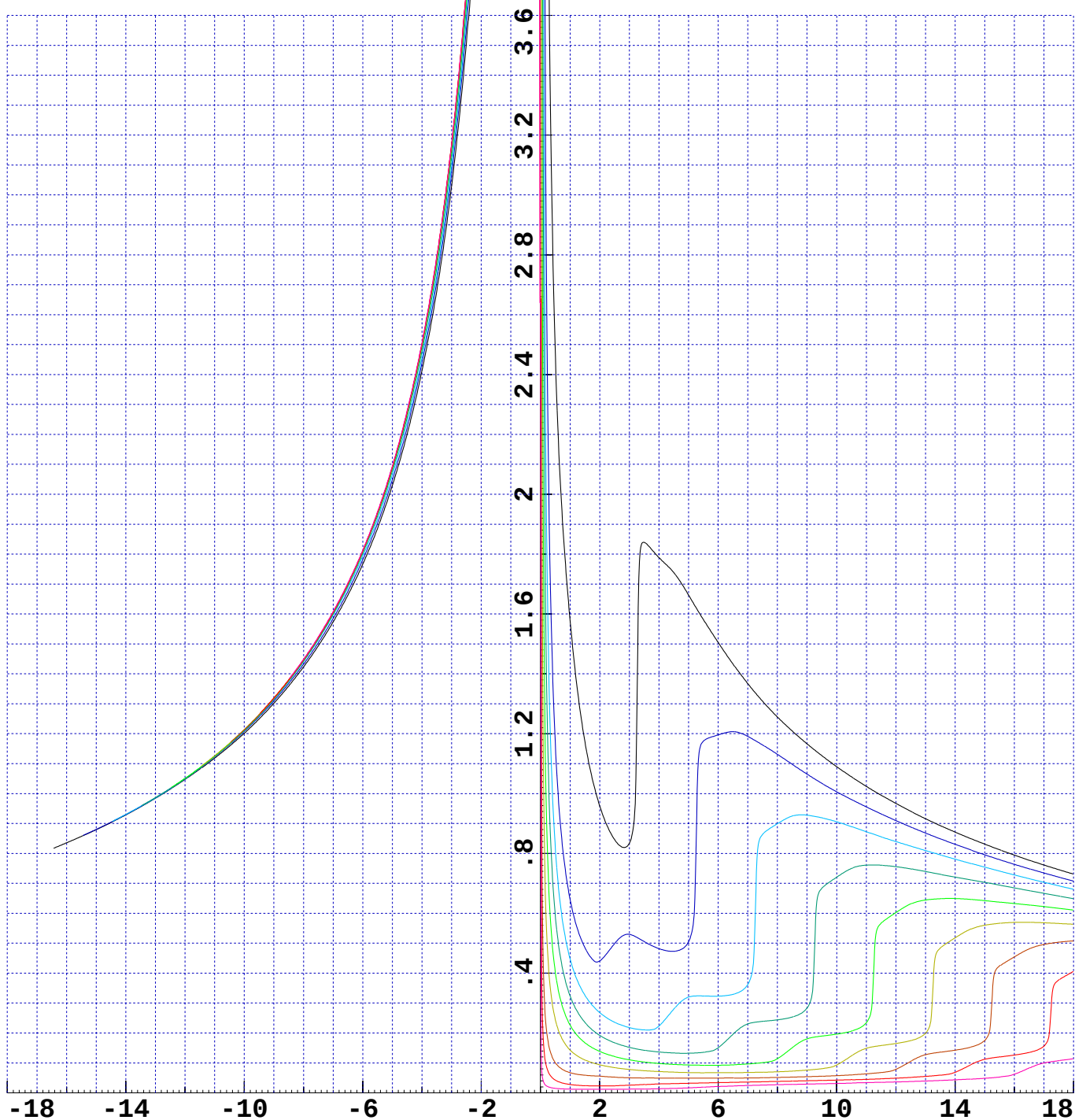
UIC519

Ident: kpfr_006

GENSYS-KPF.1308

Delta_Y=

		.1	.5	2	3	4	6
Gauge=	1425	9.351	2.465	.959	.834	1.789	1.505
	1427	5.412	1.162	.441	.530	.482	1.196
	1429	3.861	.820	.268	.218	.223	.323
	1431	2.757	.589	.192	.152	.136	.151
	1433	1.850	.405	.138	.110	.098	.092
	1435	1.071	.245	.094	.078	.071	.067
	1437	.400	.101	.056	.051	.049	.049
	1439	.164	.043	.023	.025	.030	.034
	1441	.037	.015	.012	.012	.014	.022



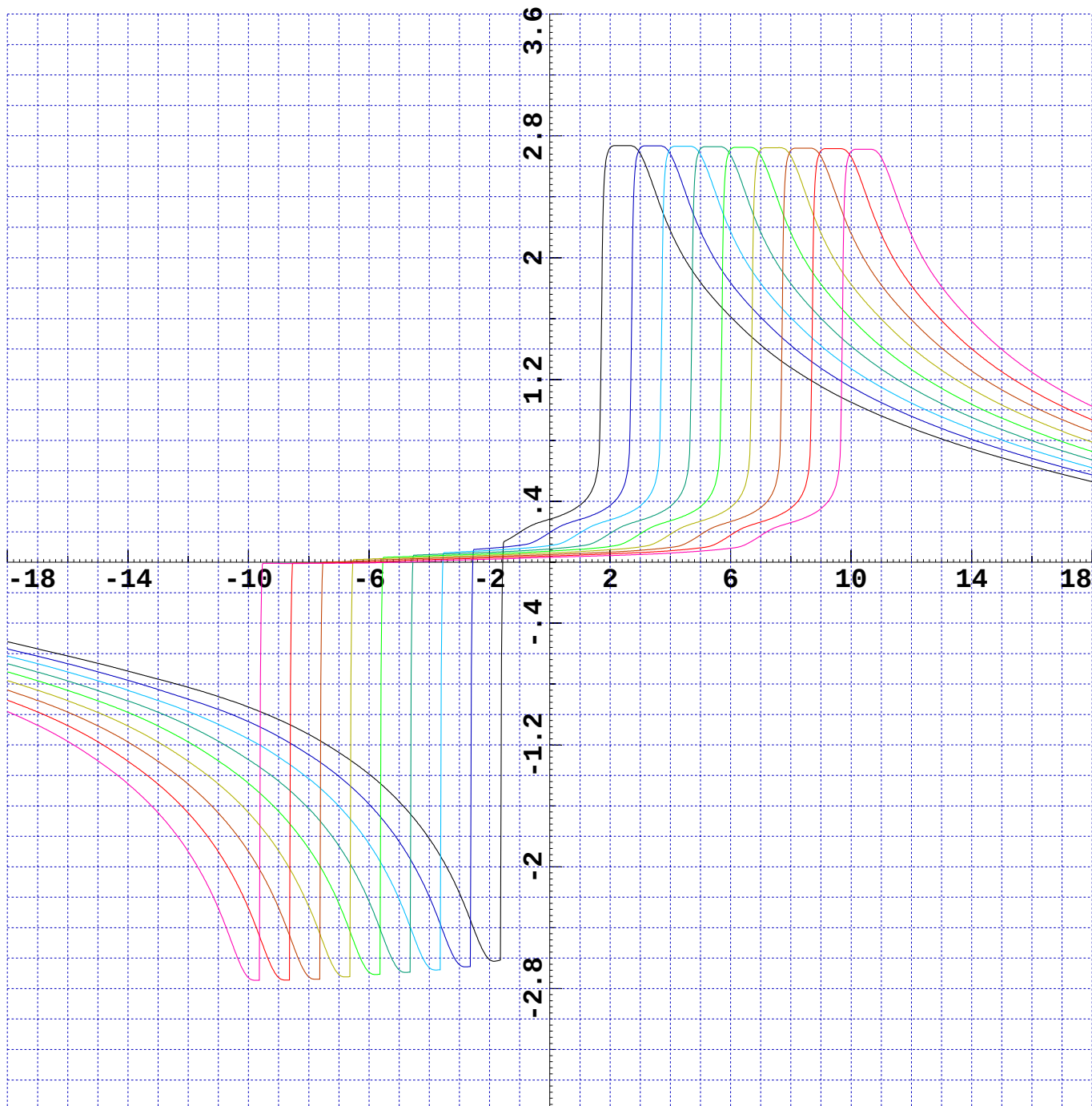
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
 Left rail: r_prof/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
 wprof_lat_shift= 0 Gauge= 1425-1441

lambda

Ident: kpfr_006

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/SEC006_l.short.rail Right rail: r_prof/SEC006_r.short.rail
 Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_006

GENSYS-KPF.1308

Delta_Y=

.1

.5

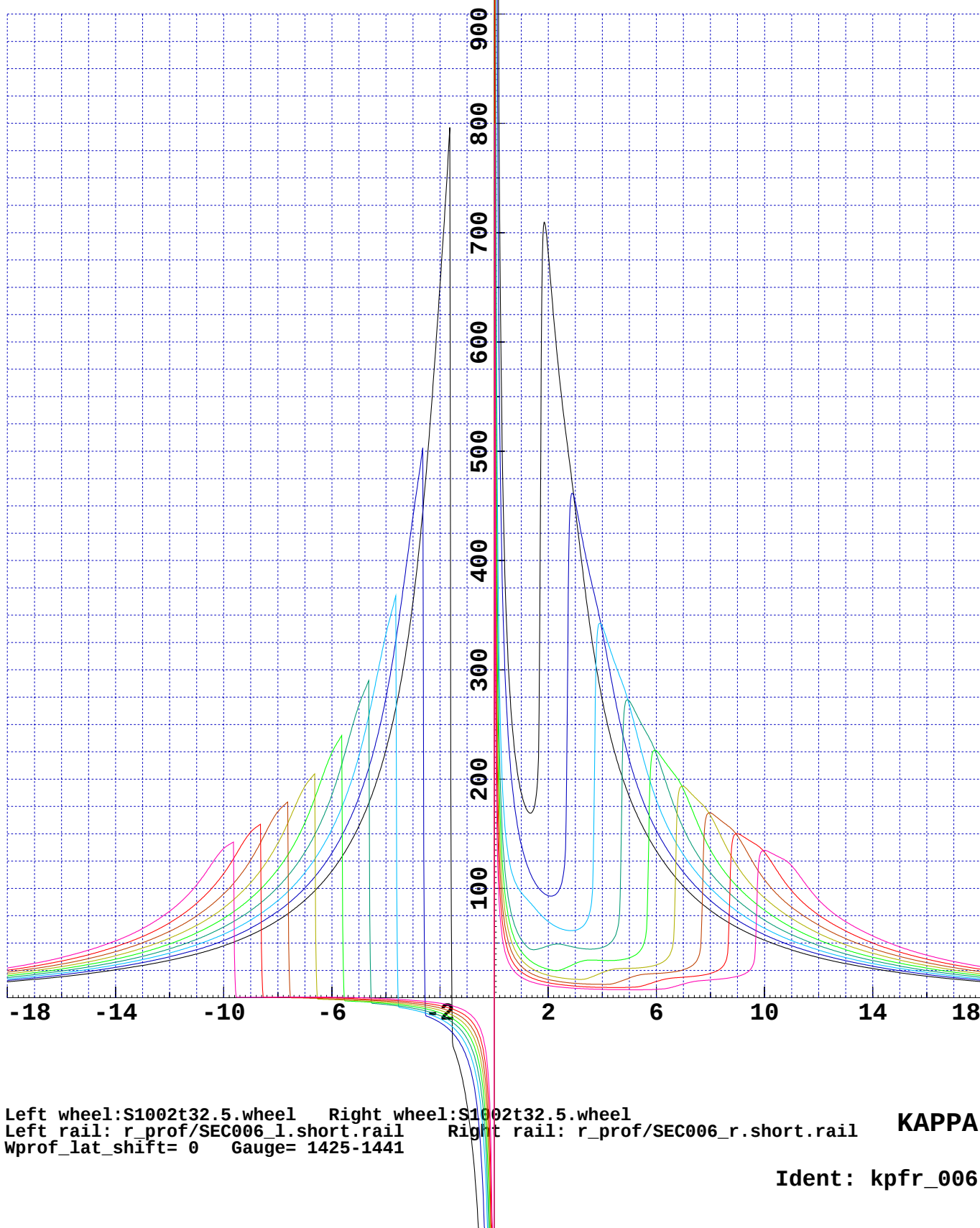
2

3

4

6

Gauge=	1425	1445.40	318.48	680.62	447.02	272.03	134.35
	1427	1036.79	248.63	93.29	453.35	334.95	152.99
	1429	559.51	134.41	69.61	61.76	339.67	180.87
	1431	444.68	95.65	47.53	45.95	45.96	222.79
	1433	368.33	78.24	25.98	31.20	34.08	225.92
	1435	307.36	64.98	20.49	16.81	23.01	30.10
	1437	254.81	53.85	16.70	13.14	12.21	22.18
	1439	207.17	43.94	13.65	10.60	9.43	14.84
	1441	162.20	34.73	11.00	8.54	7.55	7.66



GENSYS-KPF.1308

Delta_Y=

.1

.5

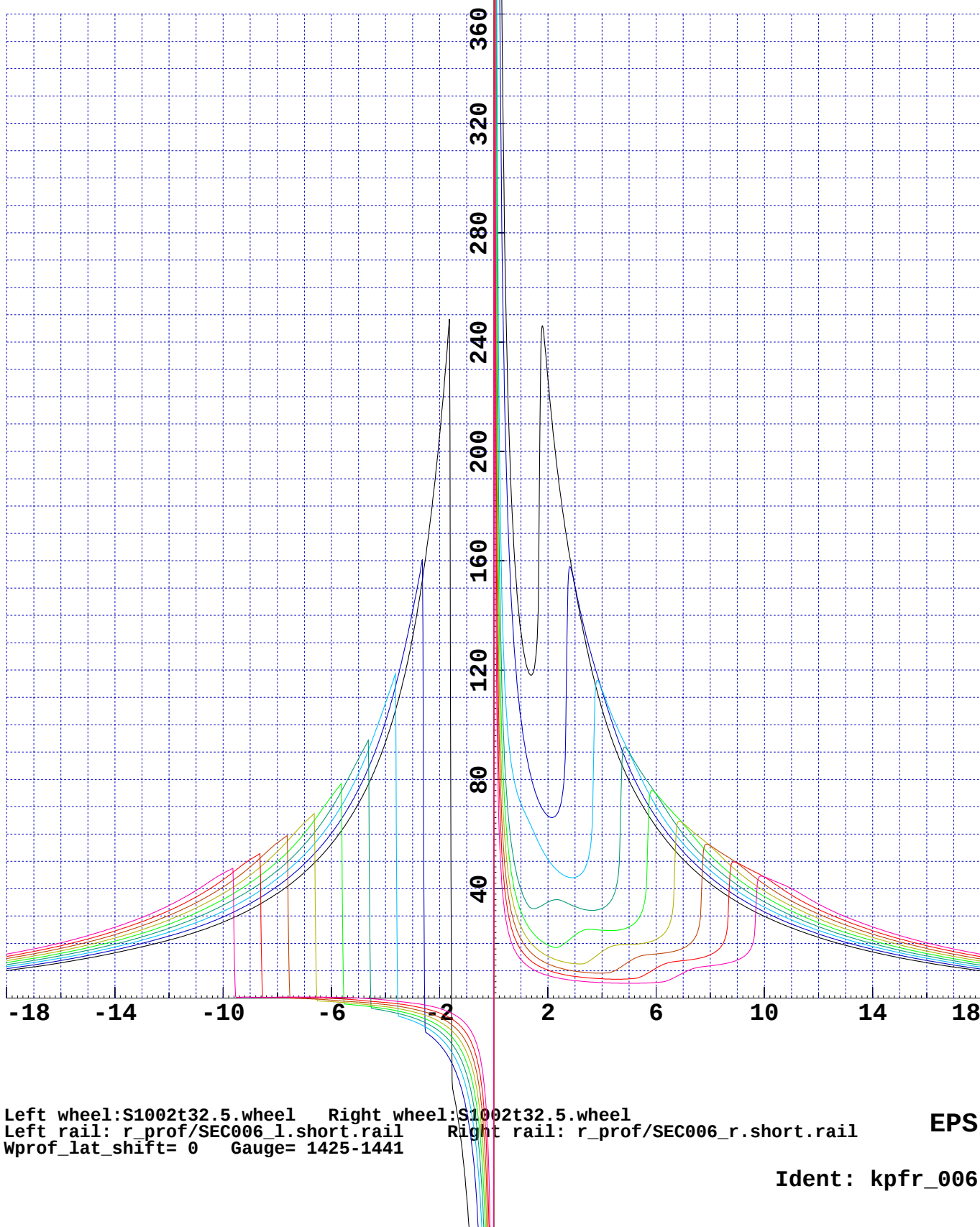
2

3

4

6

Gauge=	1425	1051.98	230.43	226.40	150.21	105.70	62.66
	1427	764.79	182.20	66.63	150.64	112.41	66.06
	1429	417.23	100.01	50.70	44.10	112.72	70.11
	1431	332.15	71.41	35.11	33.46	32.80	74.56
	1433	275.38	58.48	19.37	23.04	24.81	74.75
	1435	229.93	48.60	15.30	12.54	16.99	21.46
	1437	190.70	40.29	12.49	9.81	9.10	16.14
	1439	155.10	32.89	10.21	7.92	7.04	10.95
	1441	121.47	26.01	8.23	6.39	5.64	5.71



GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	8.18	1.81	.93	1.25	1.36	1.33
1427	—	6.32	1.42	.52	.62	.94	1.14
1429	—	5.30	1.13	.41	.35	.47	.91
1431	—	4.63	.99	.32	.28	.27	.63
1433	—	4.08	.87	.28	.22	.22	.32
1435	—	3.62	.78	.25	.19	.17	.19
1437	—	3.24	.69	.22	.17	.15	.15
1439	—	2.91	.63	.20	.16	.14	.12
1441	—	2.64	.57	.18	.14	.12	.10

