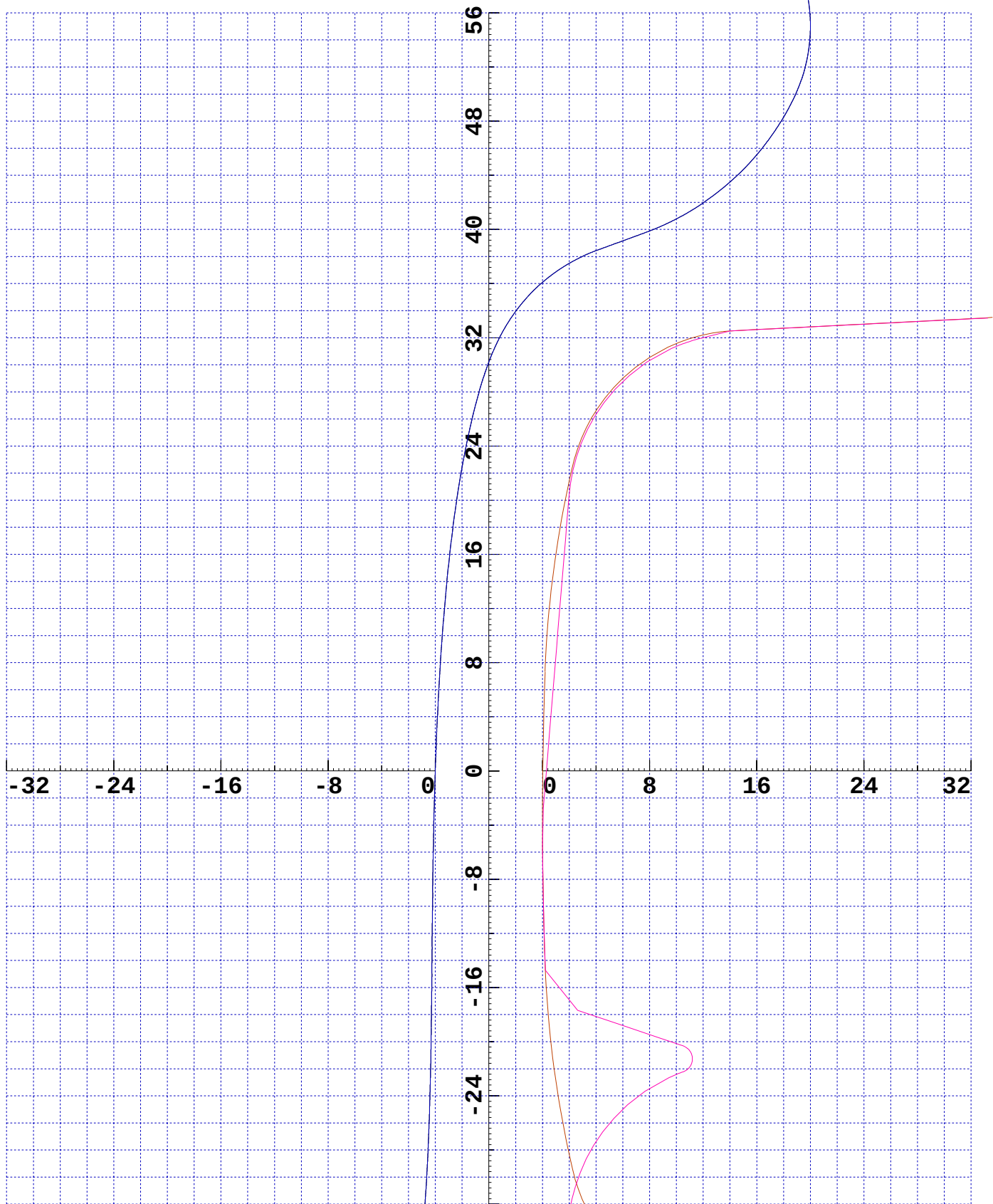
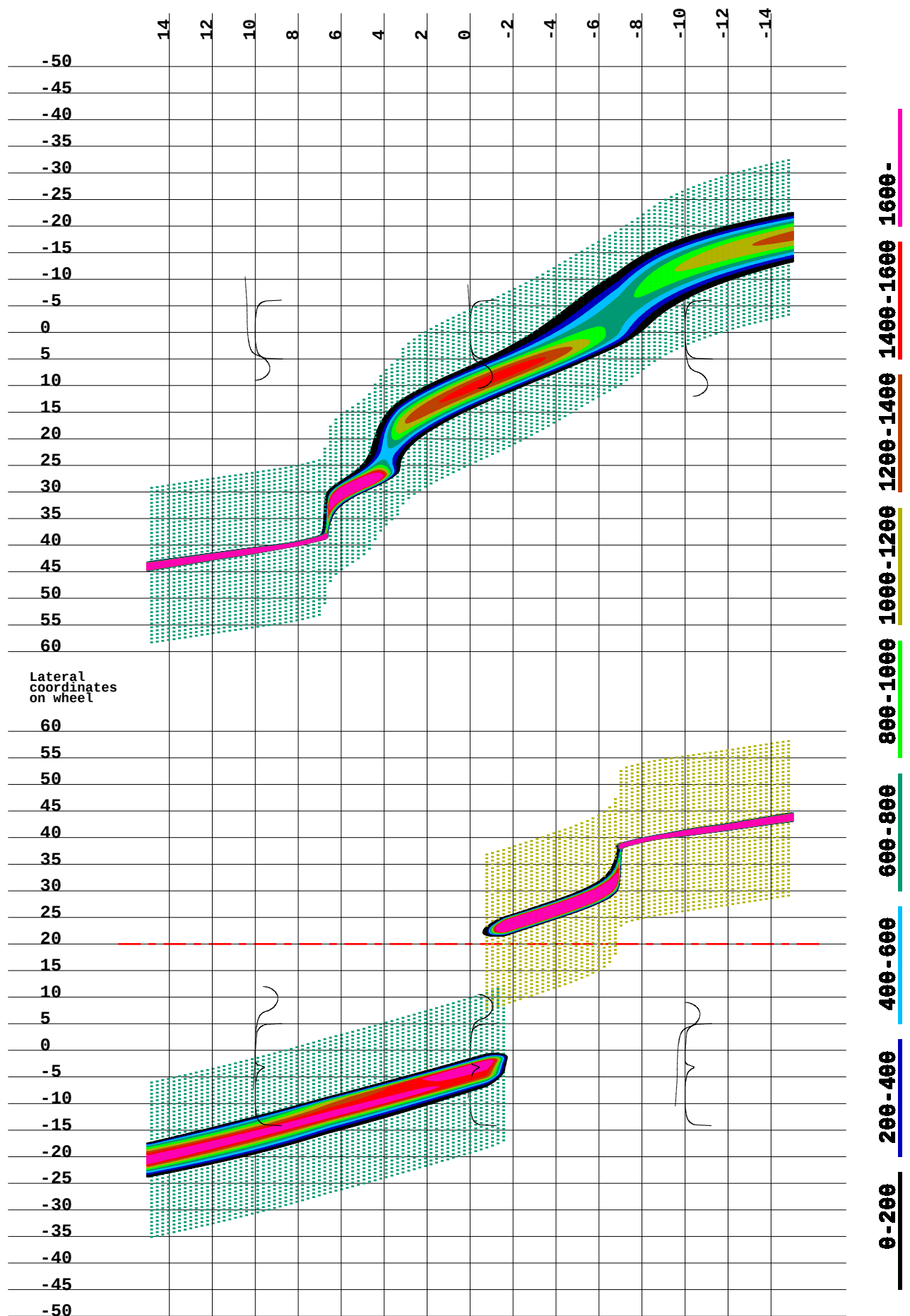


- Right wheel
- Left wheel
- Right rail
- Left rail



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel WRGEOM
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_009

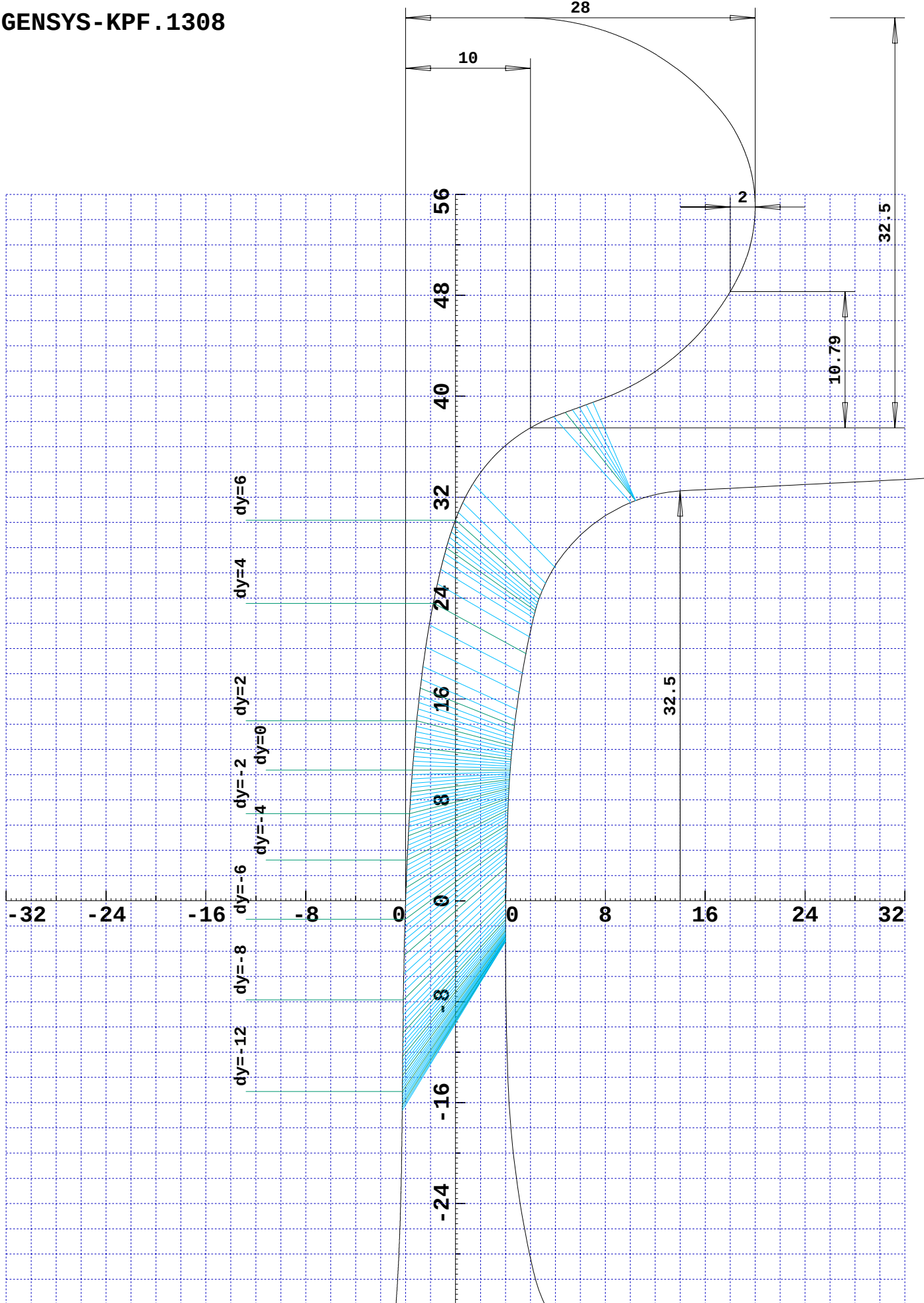


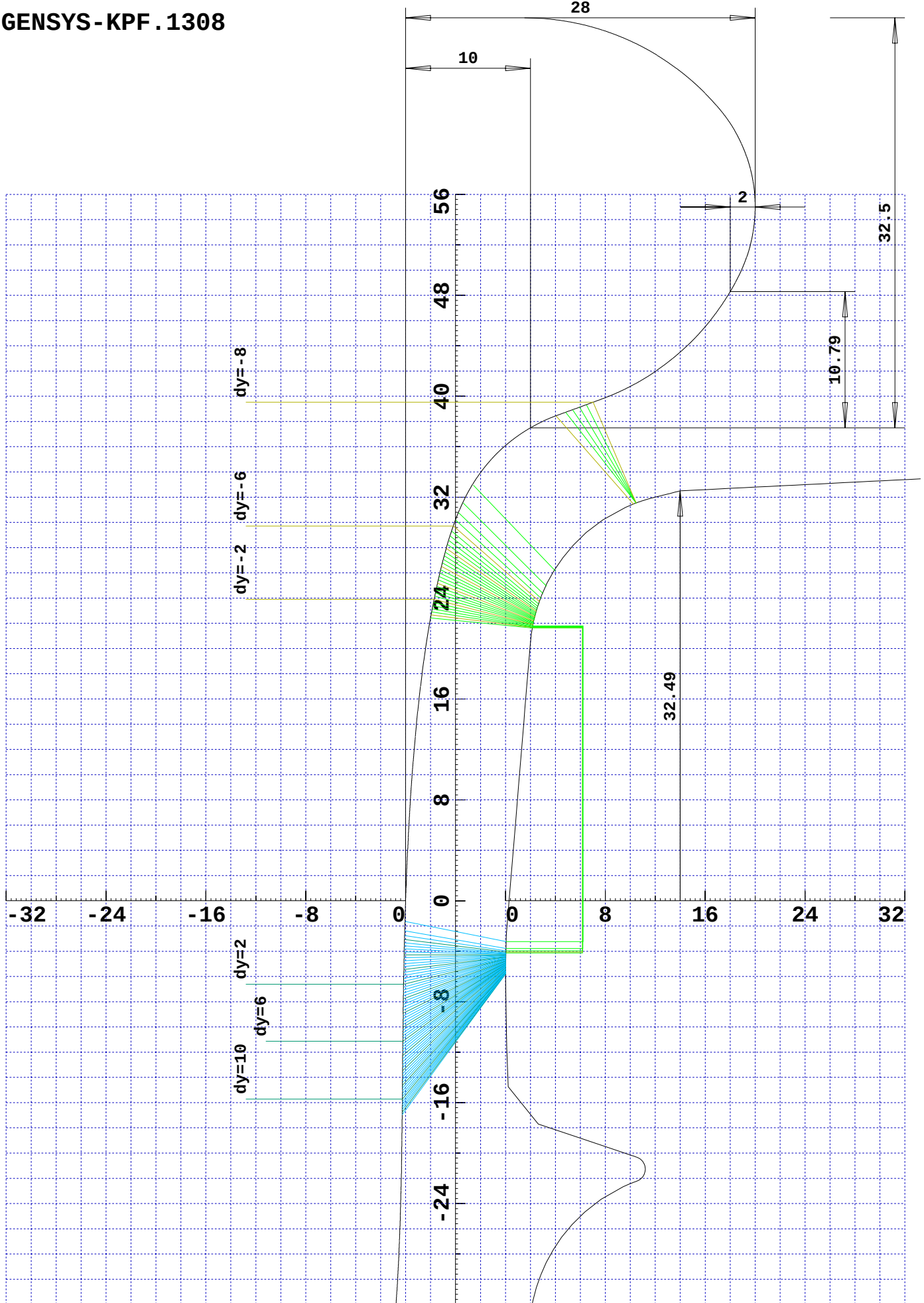
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel

Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.sho

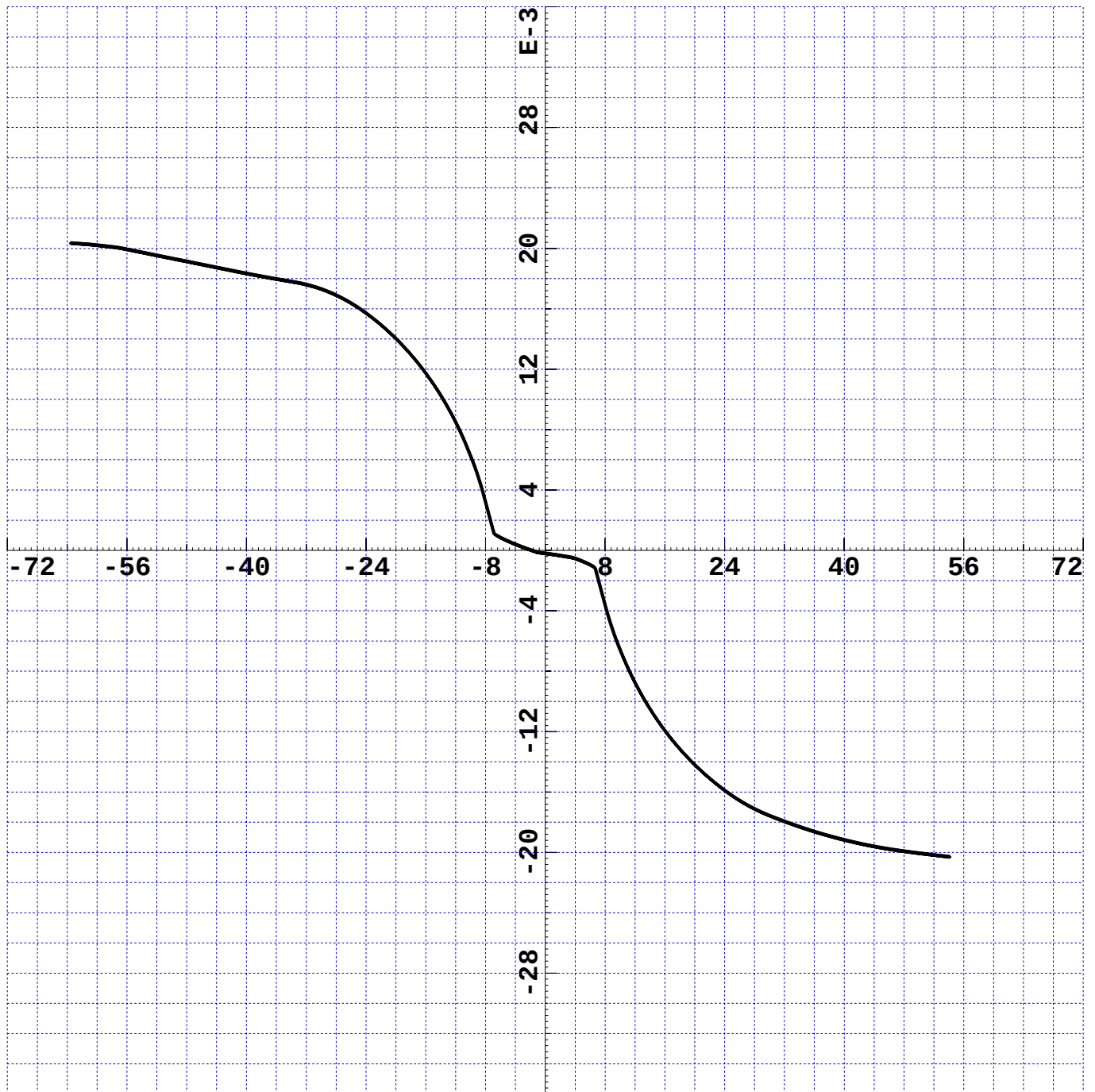
Wprof_lat_shift= 0 Gauge= 1425-1441

Contact Pressure

**CONNr**

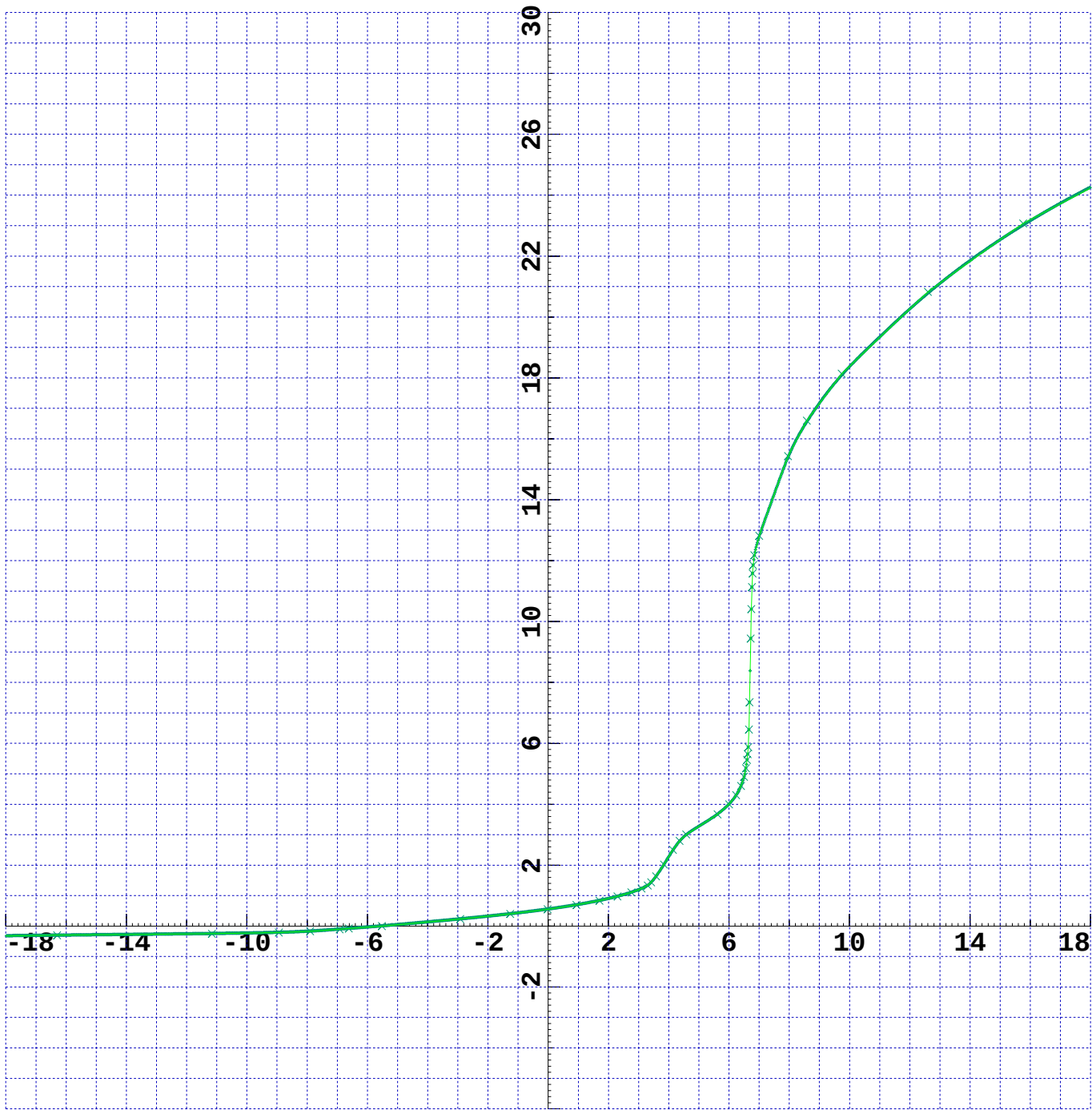


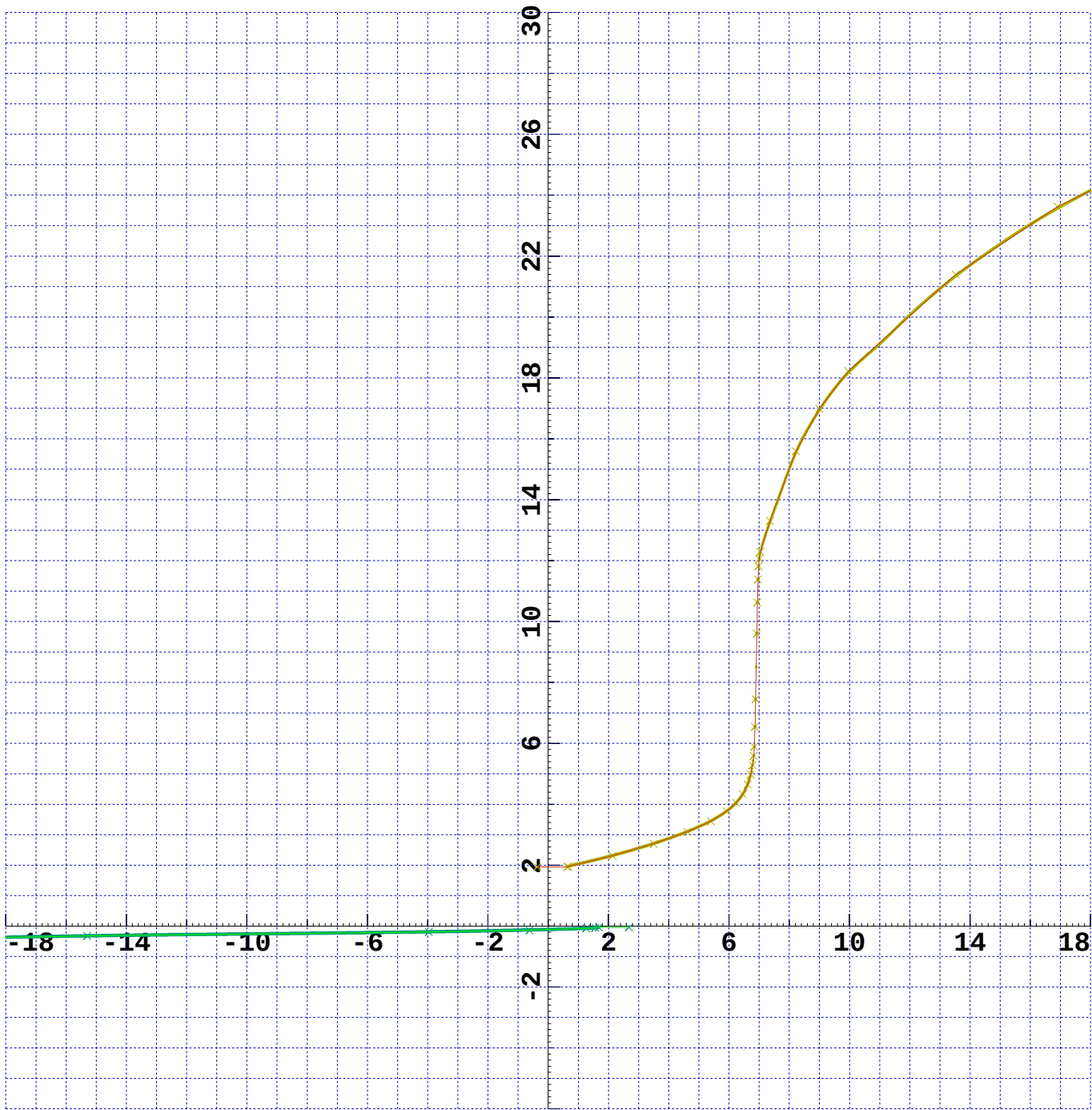
Ident: kpfr_009

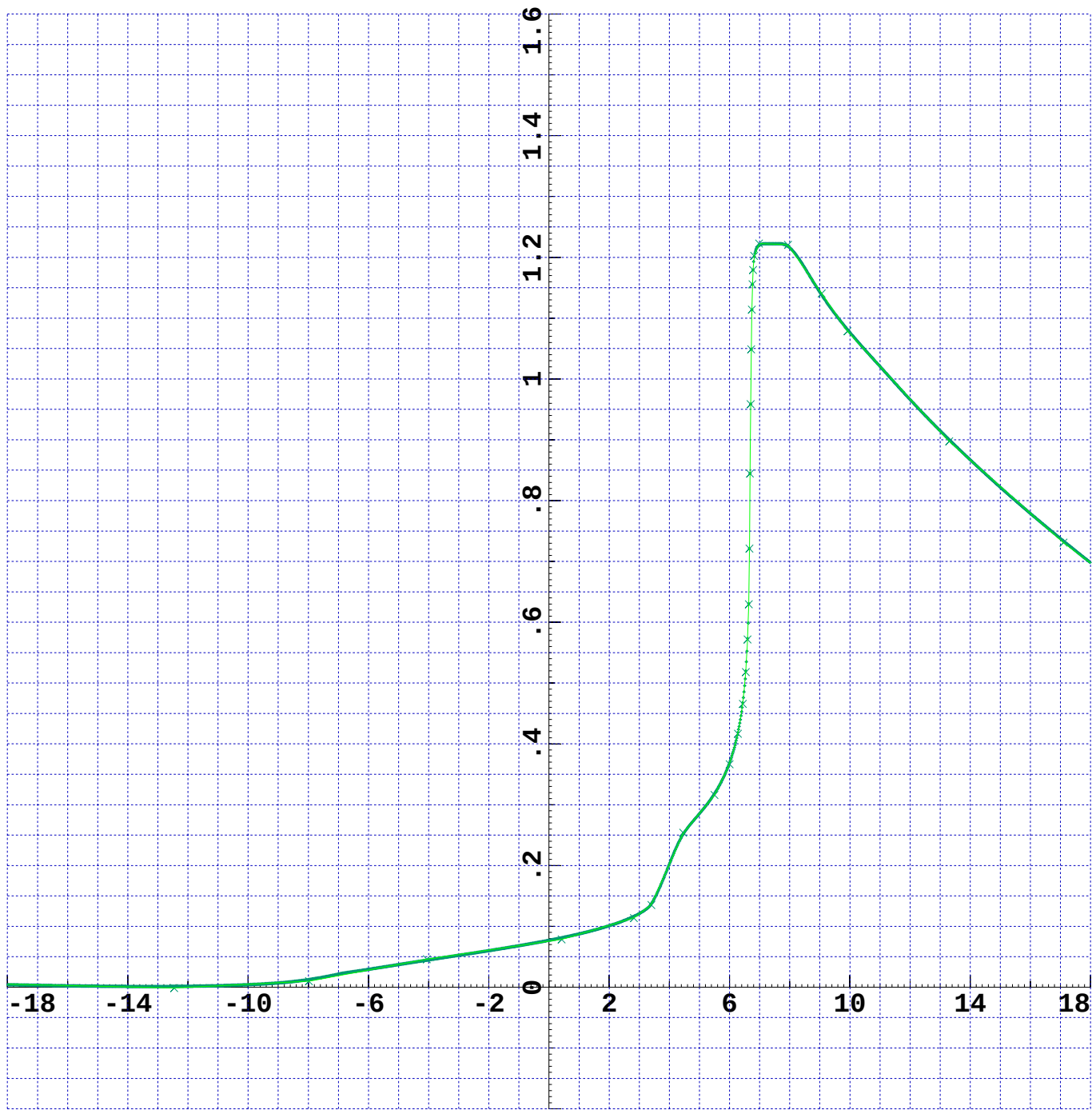


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **Flaxl**
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_009

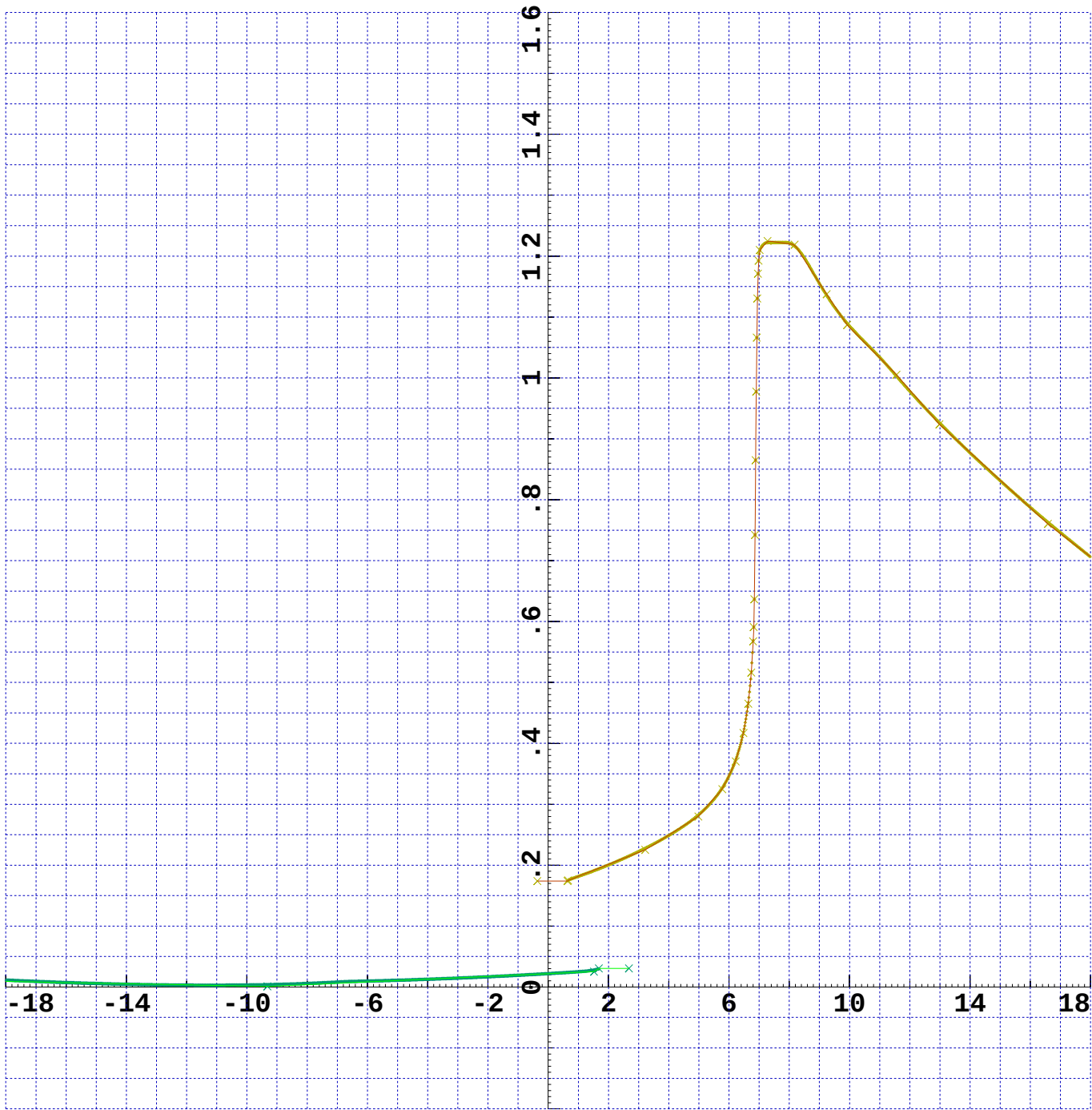






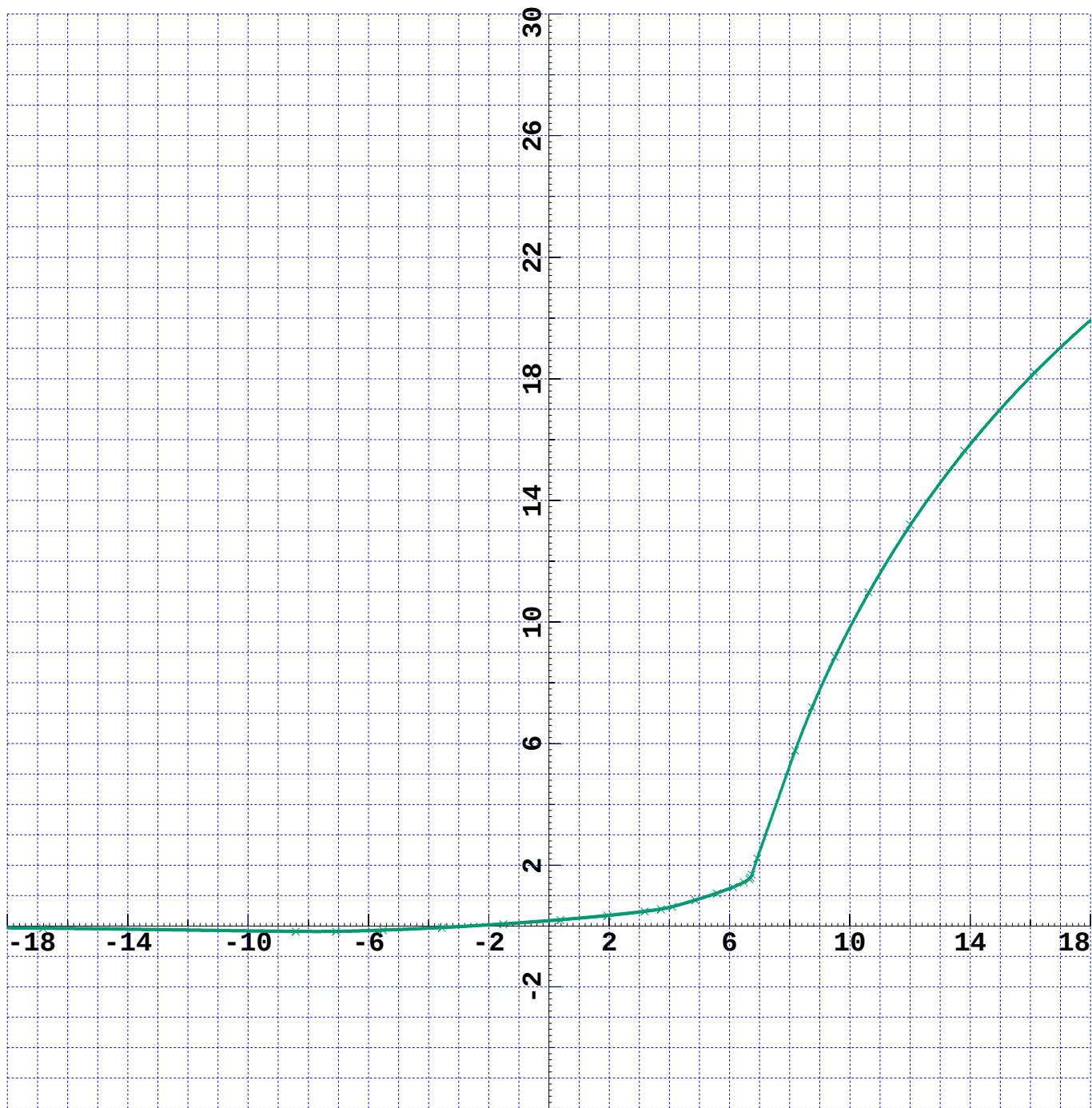
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel GAMFNr
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_009



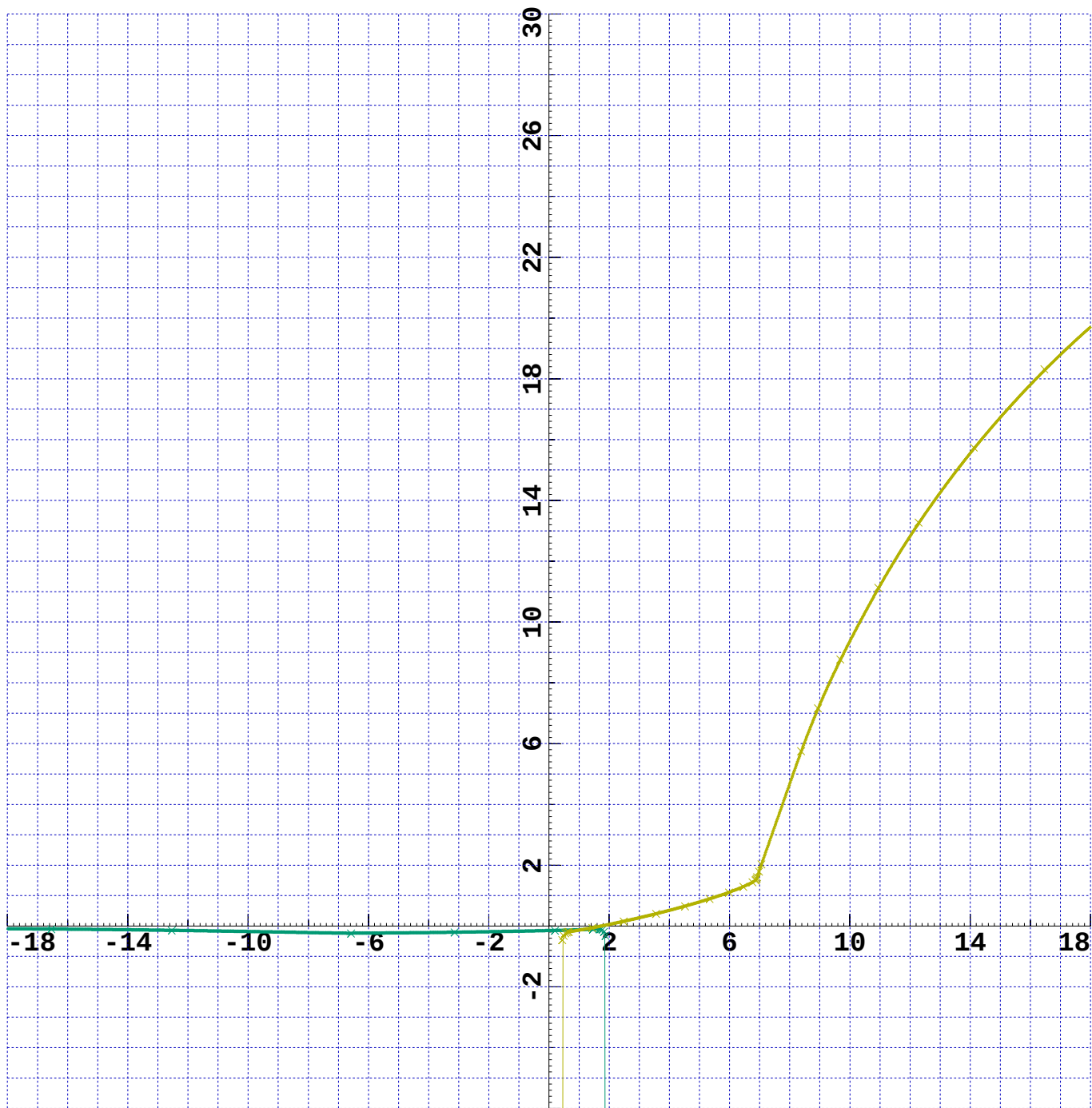
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel GAMFN1
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_009



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel ZFNr
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_009

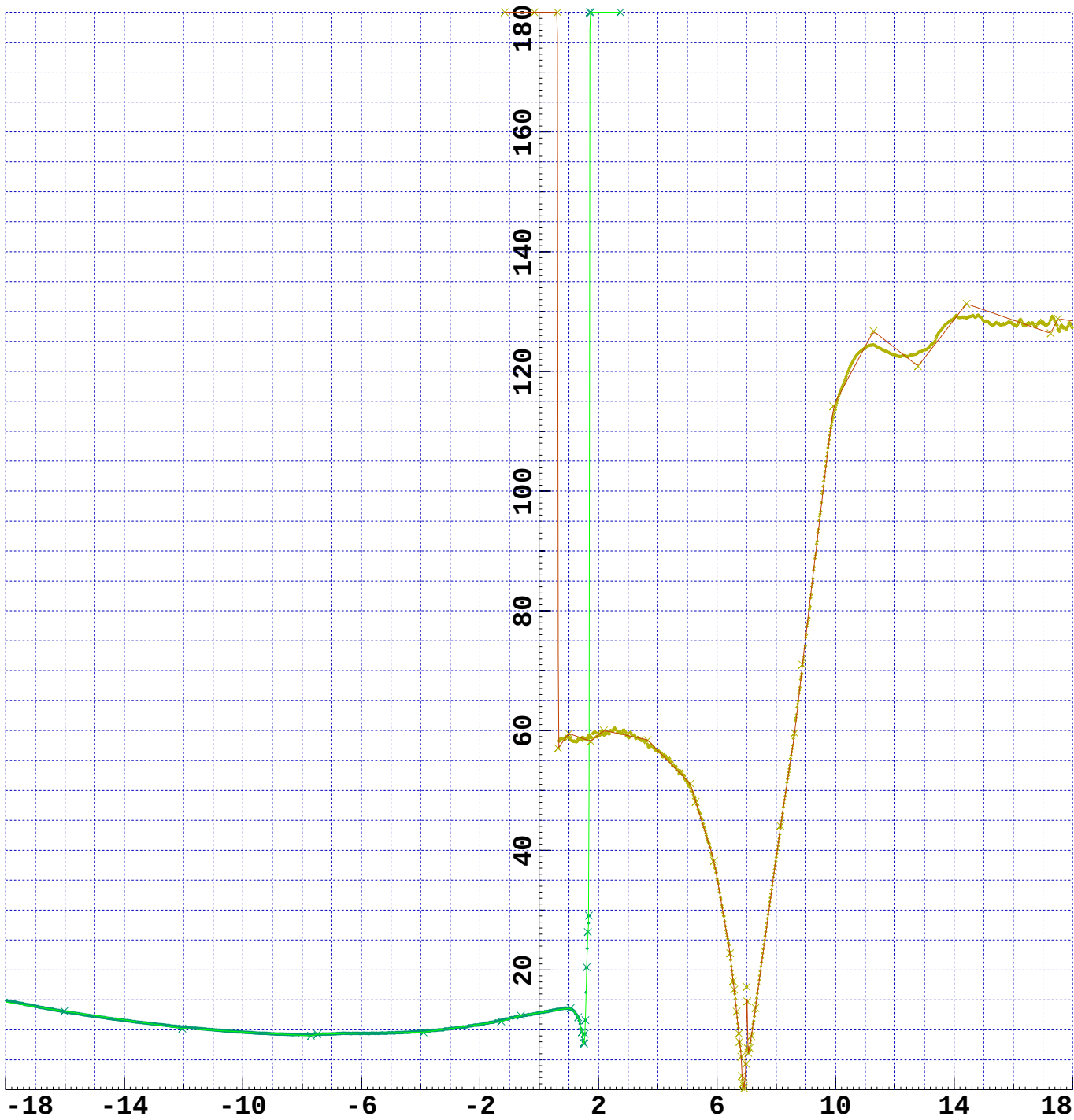


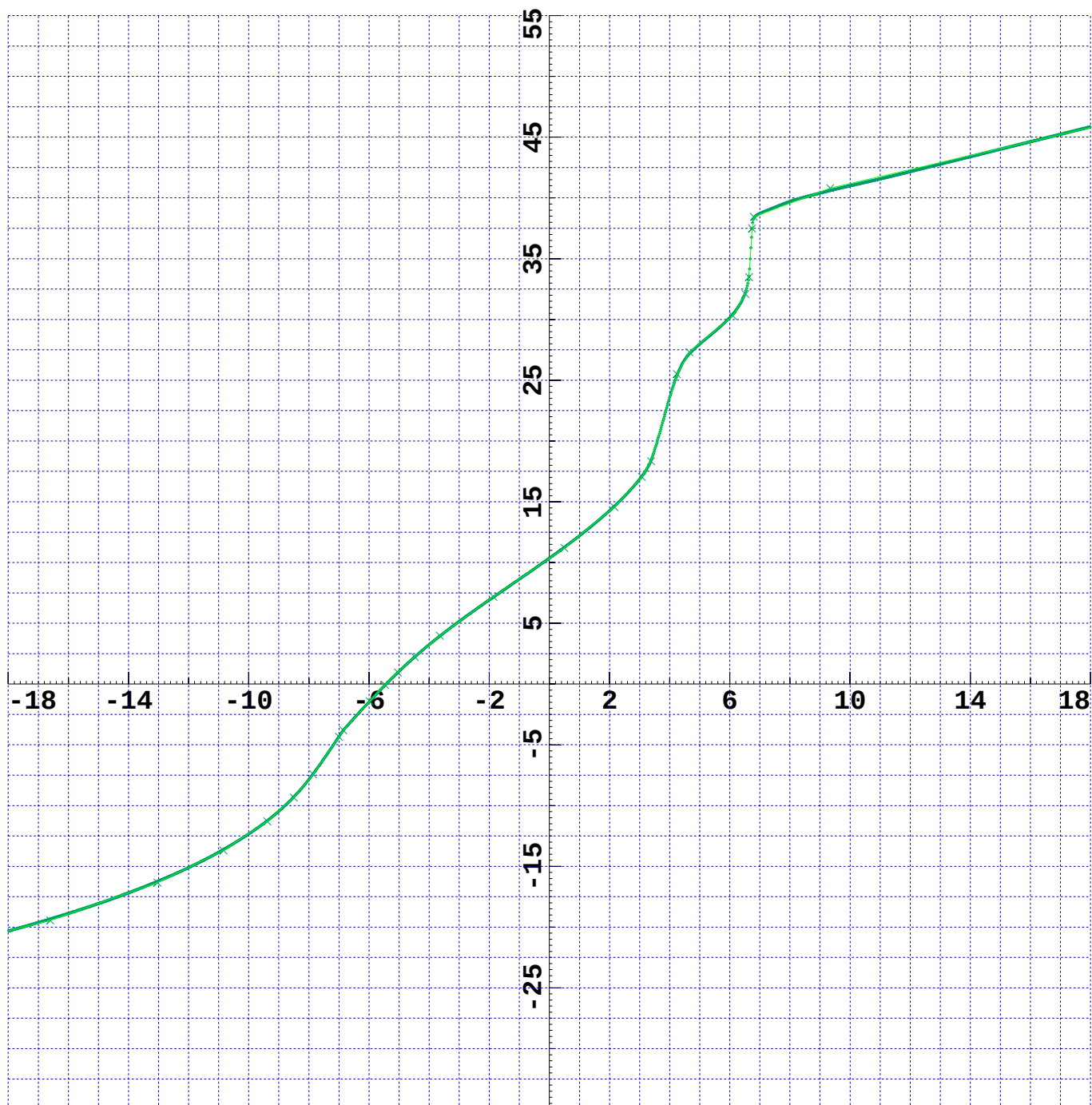


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ROFNr

Ident: kpfr_009

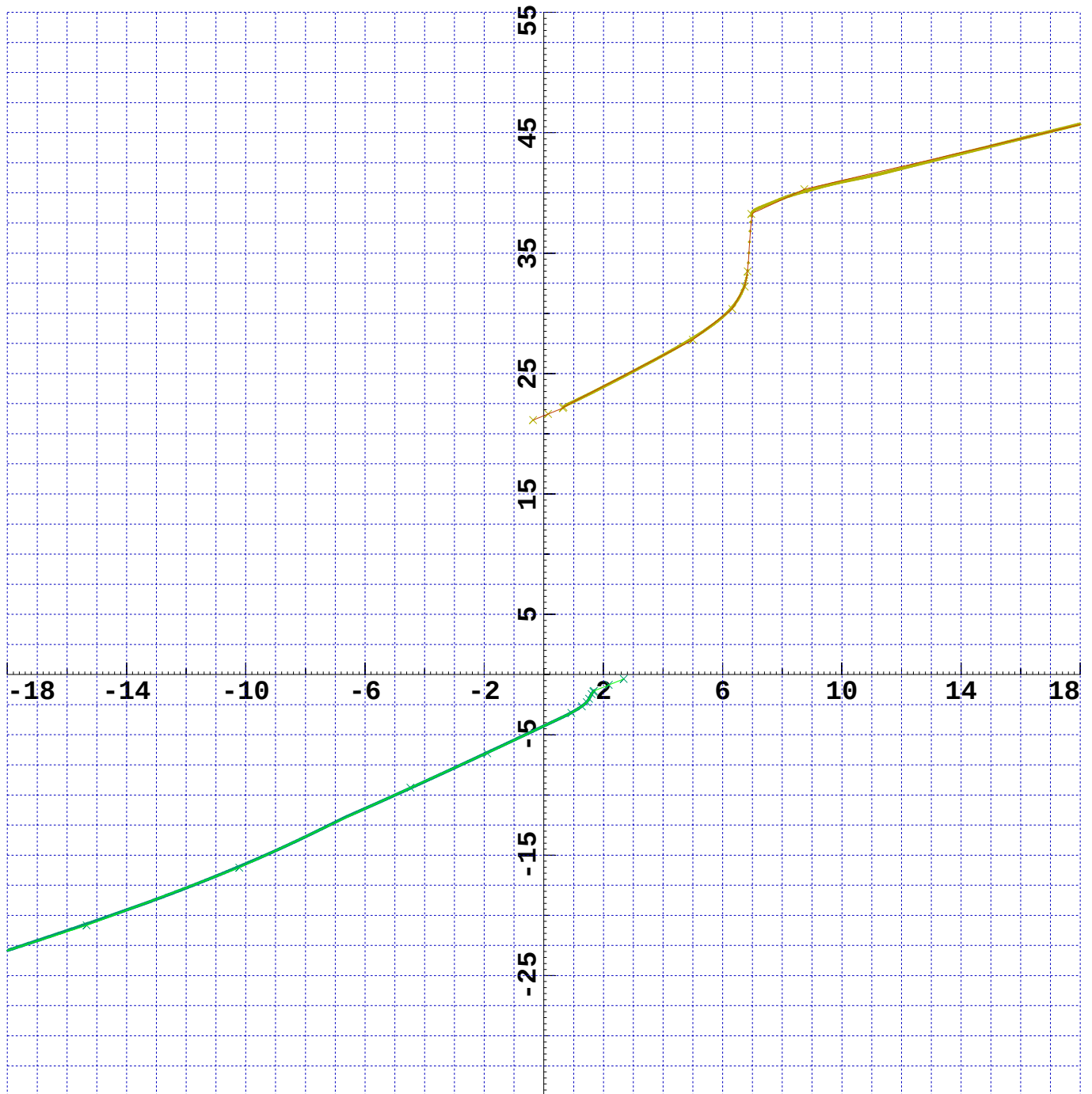




Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

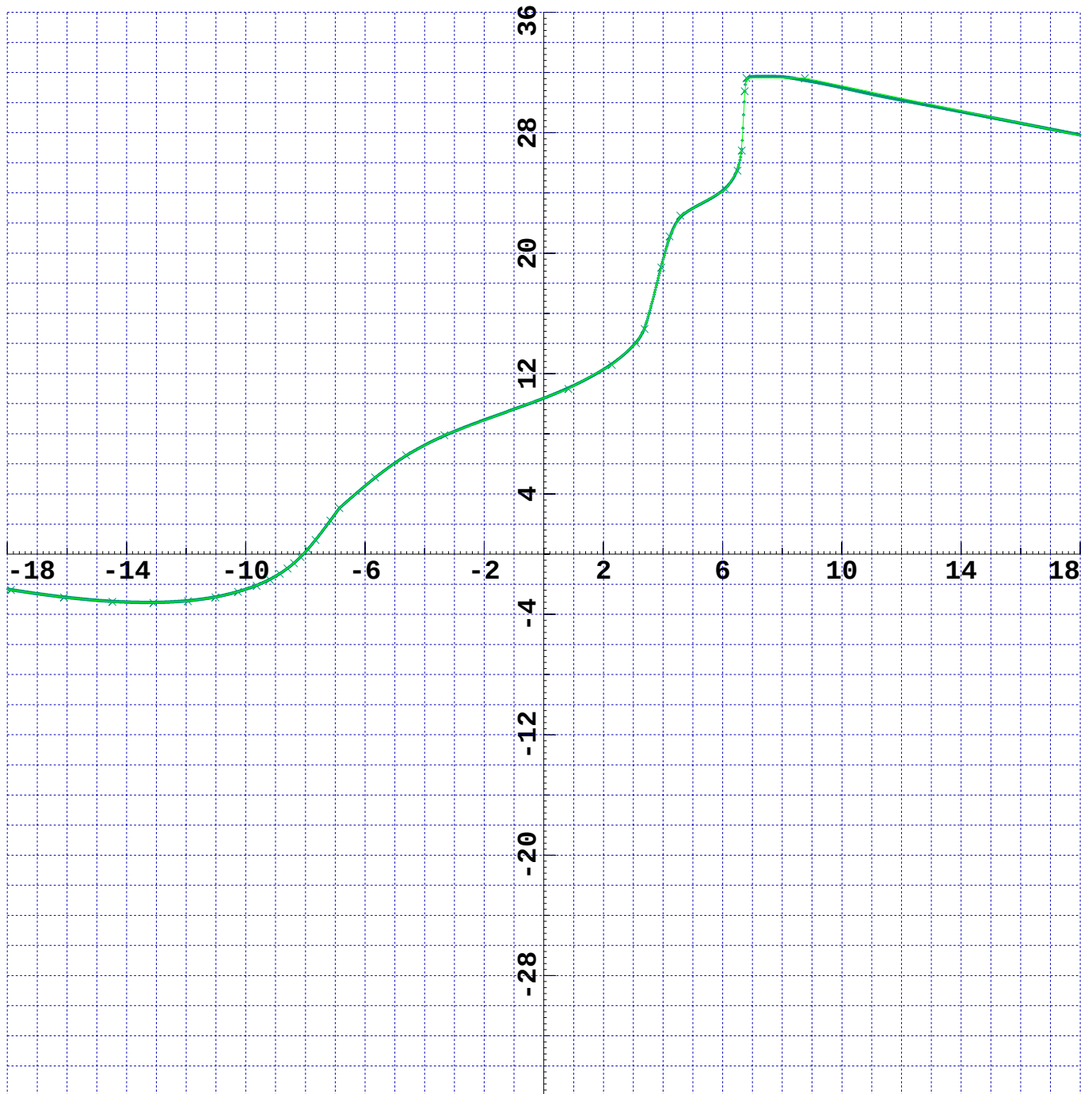
POSWr

Ident: kpfr_009



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel POSW1
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

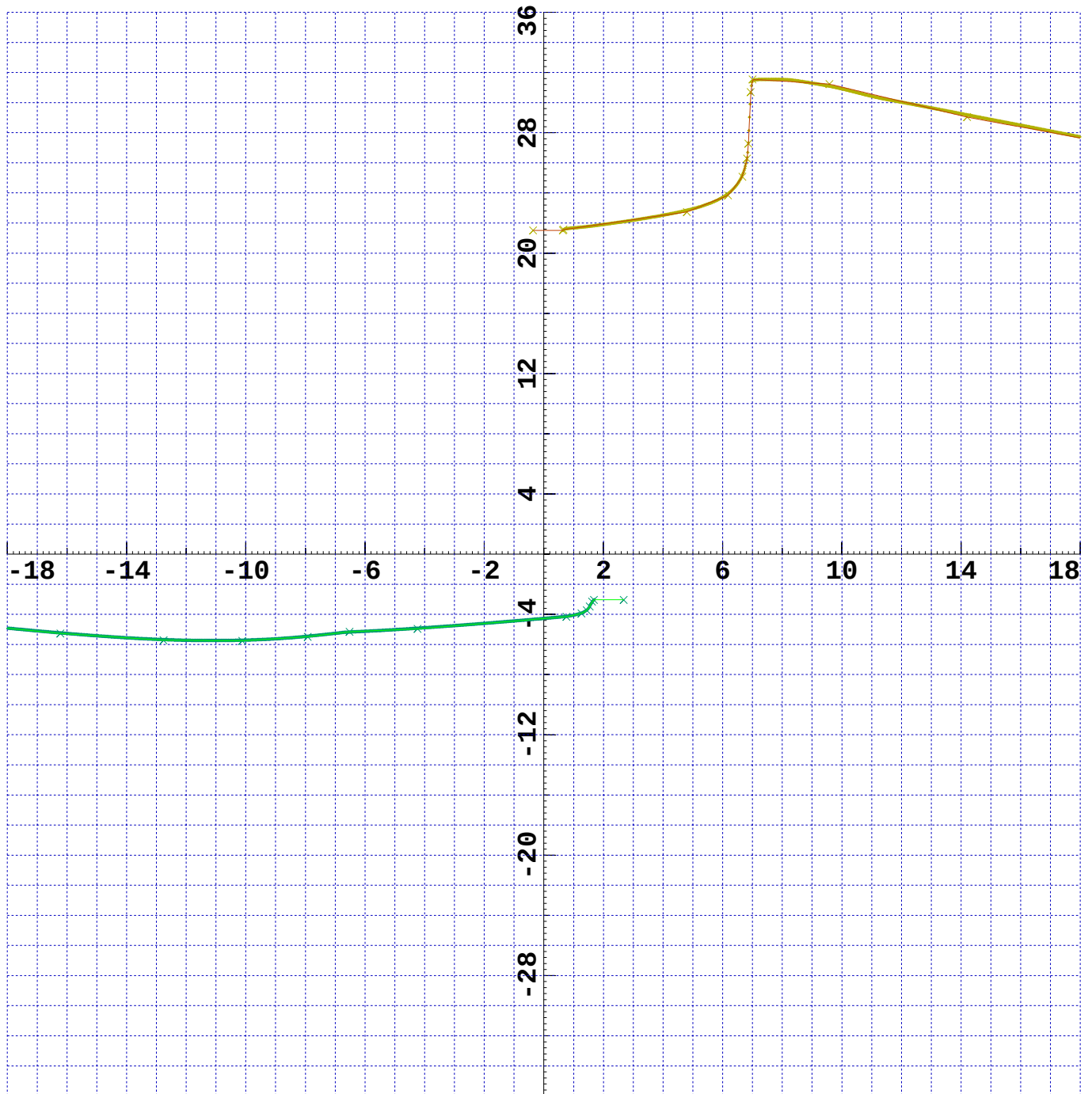
Ident: kpfr_009



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

POSRR

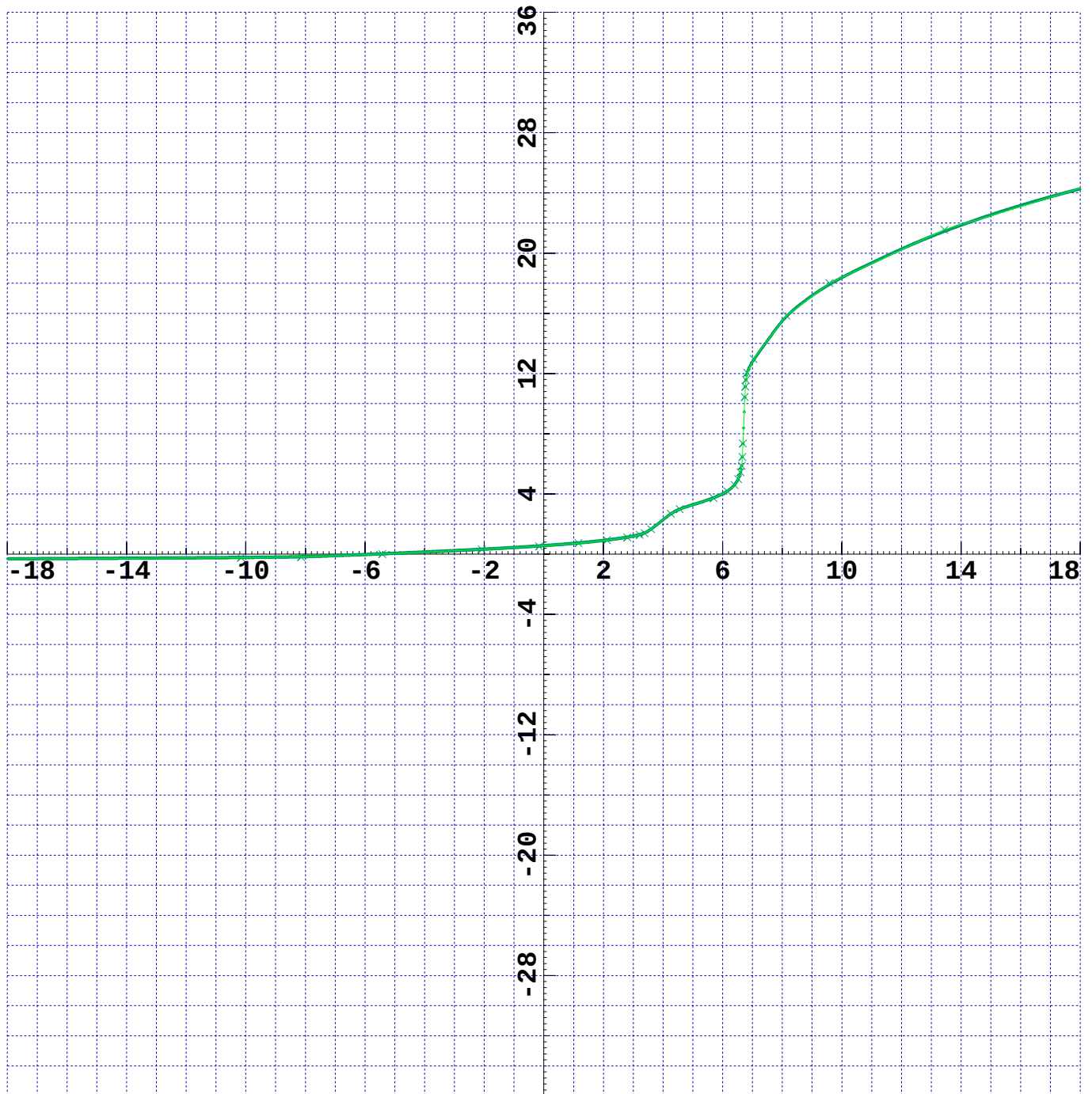
Ident: kpfr_009



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

POSR1

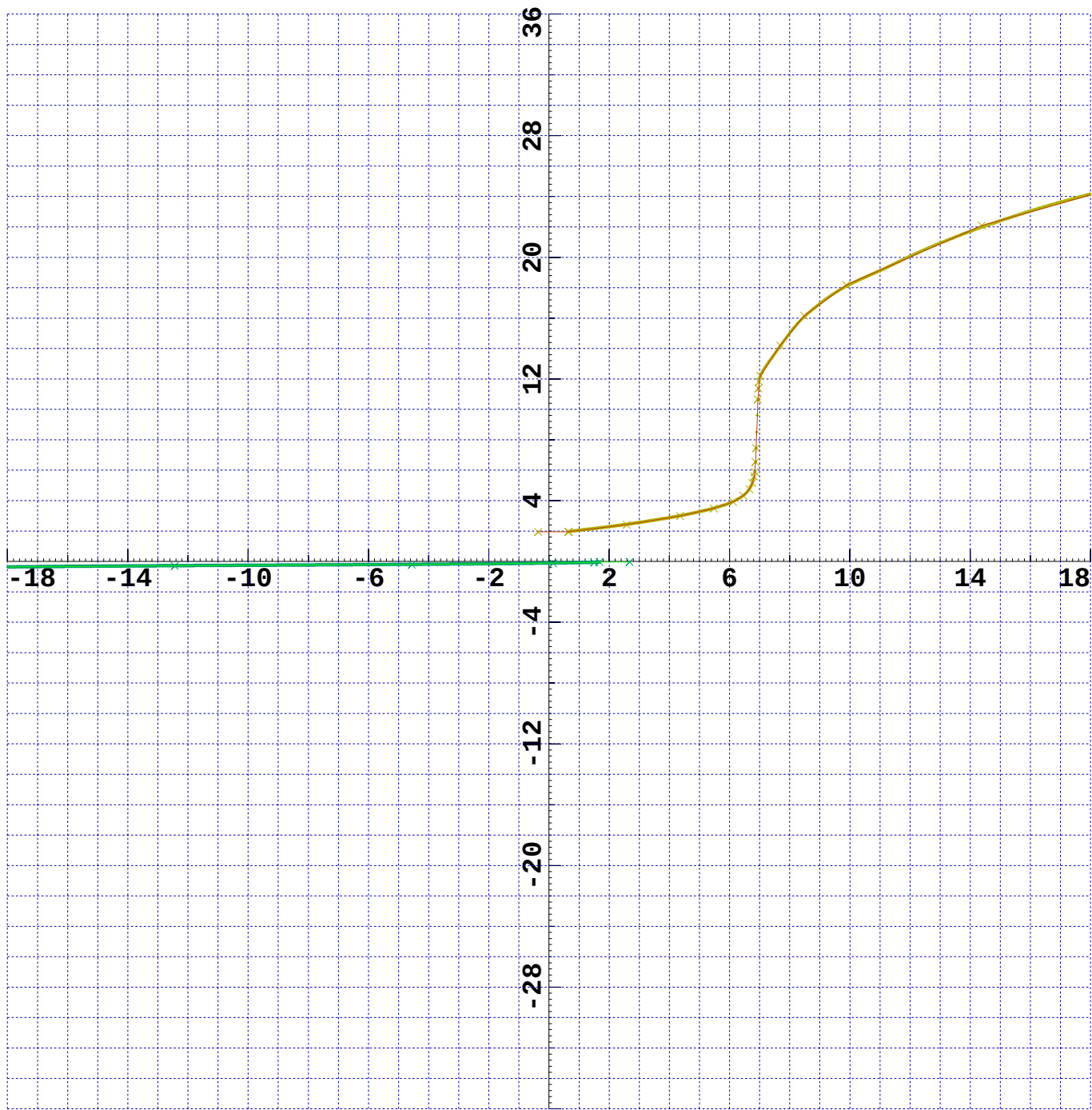
Ident: kpfr_009

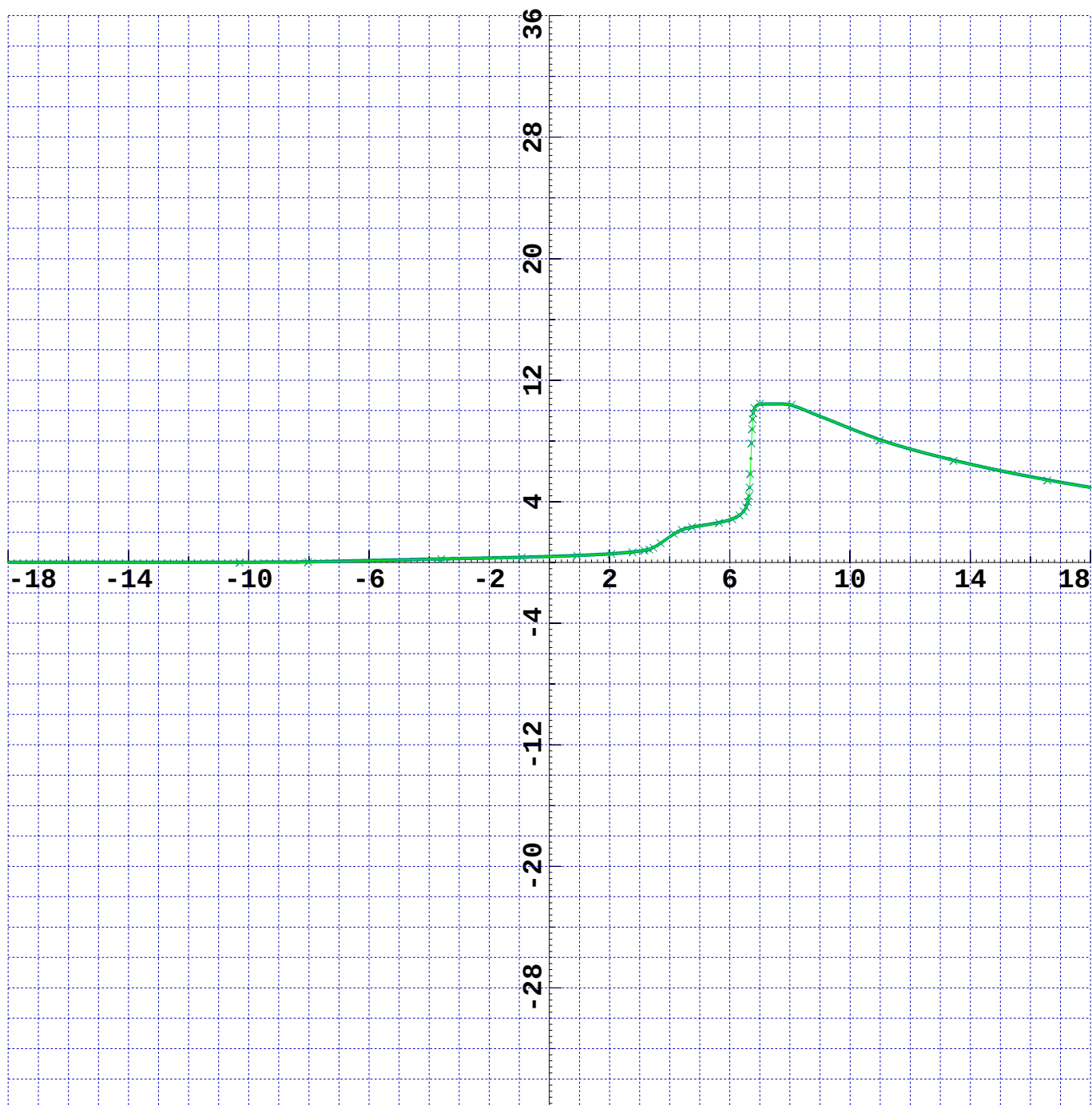


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ZWr

Ident: kpfr_009



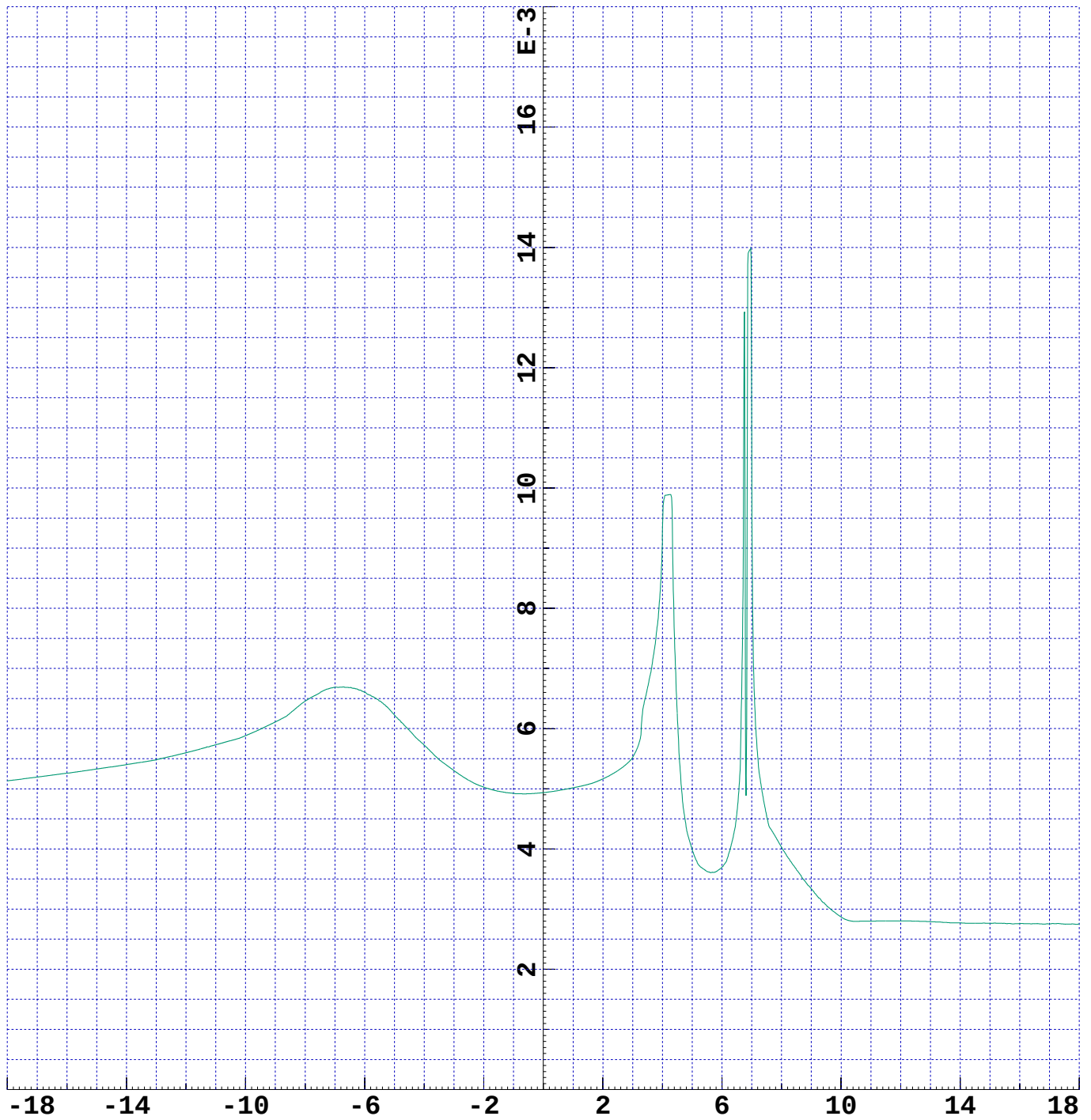


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

ZRr

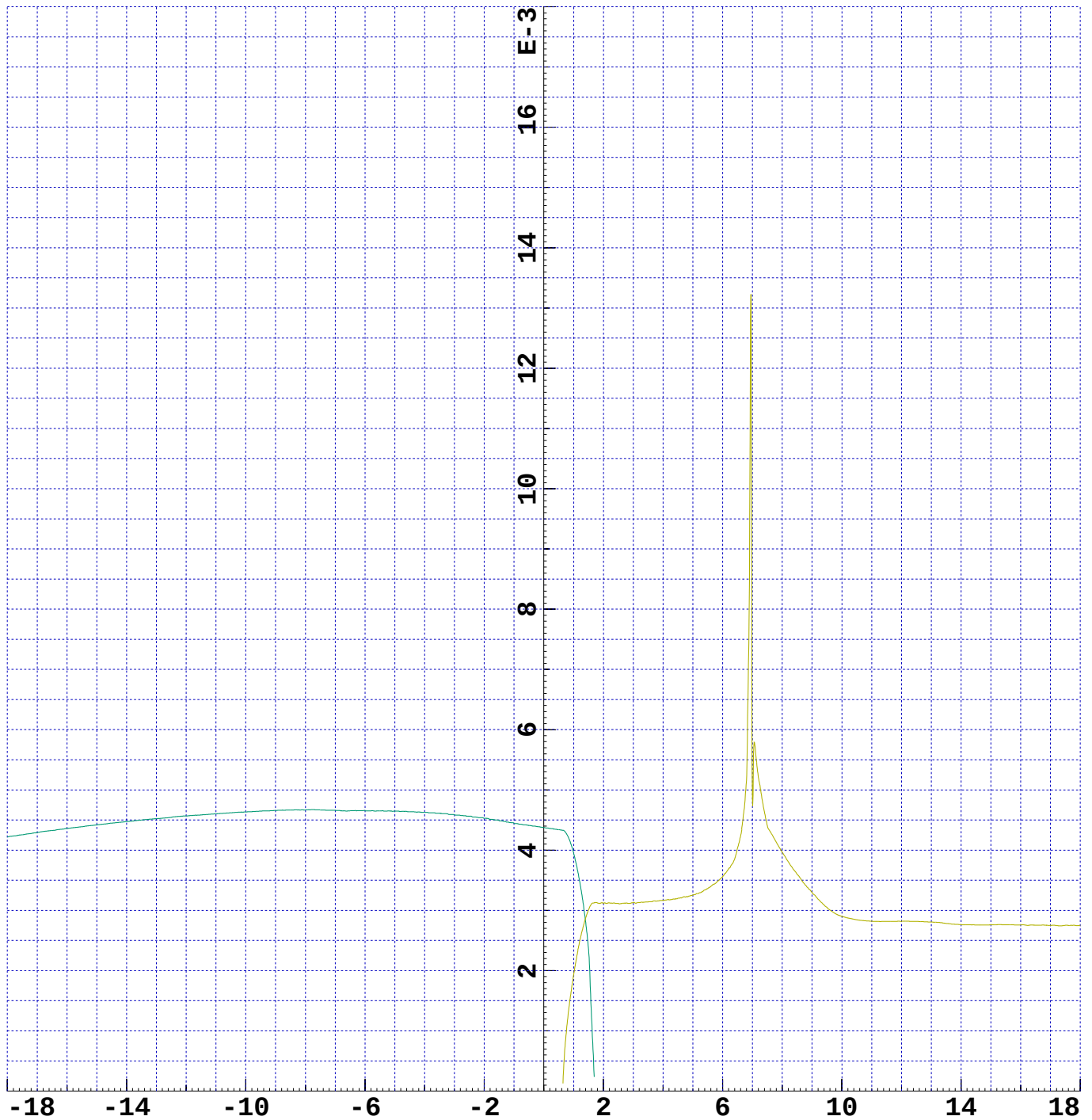
Ident: kpfr_009





Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel C_r
 Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
 Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_009



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

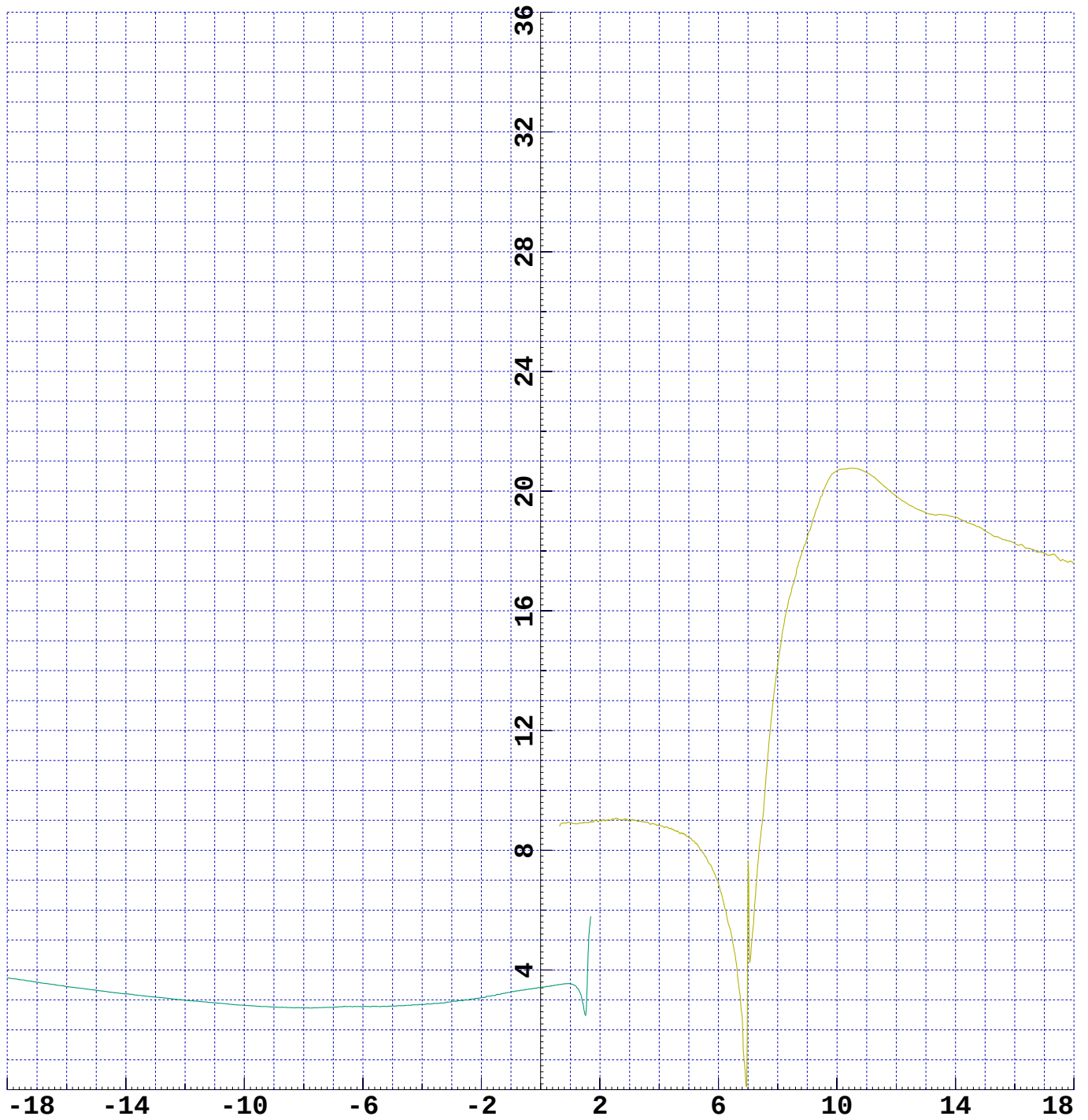
C_1

Ident: kpfr_009



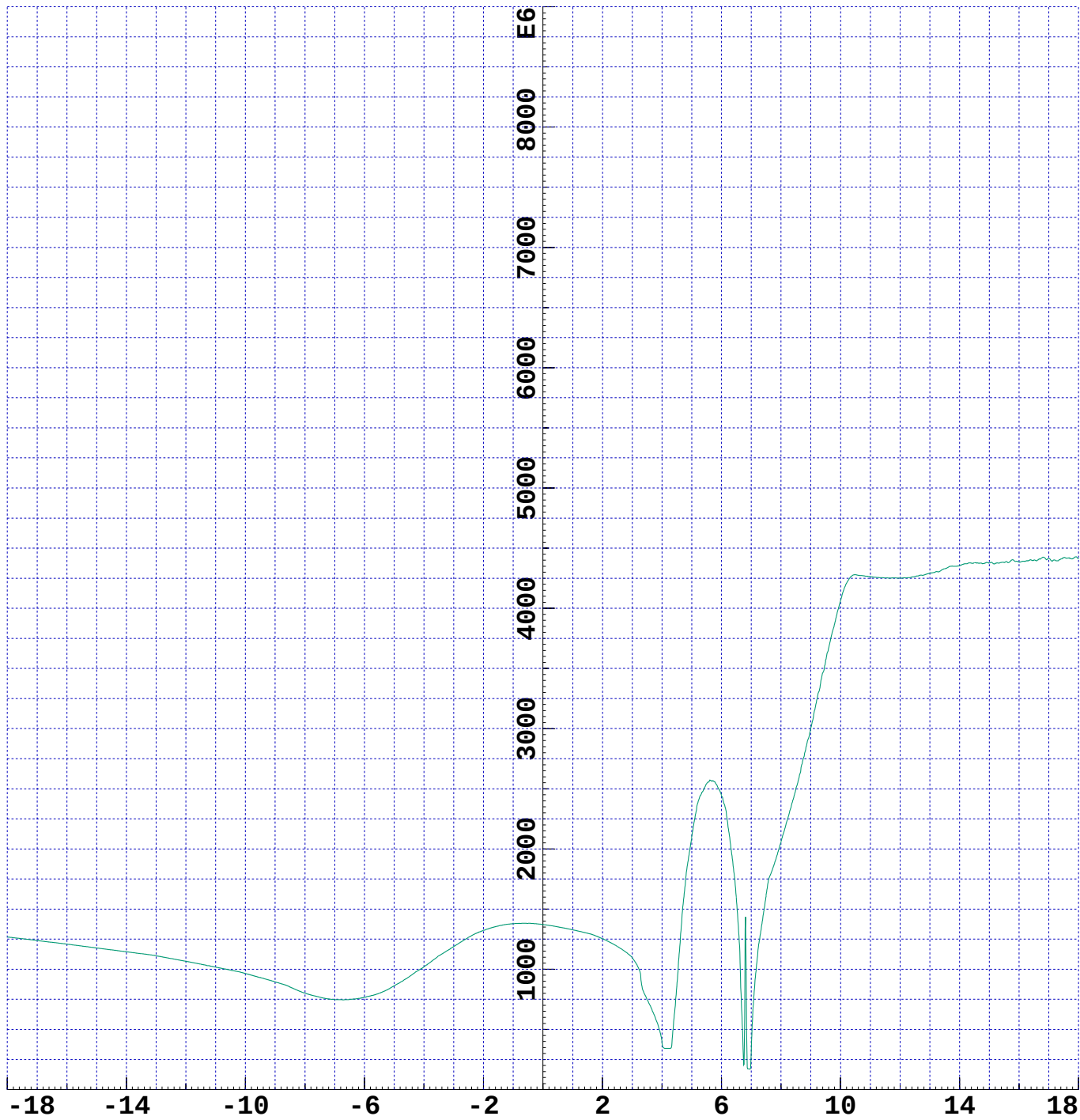
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel A/B_r
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_009



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel A/B_1
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_009



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **SIGMAR**
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_009



Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel **SIGMA1**
Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_009

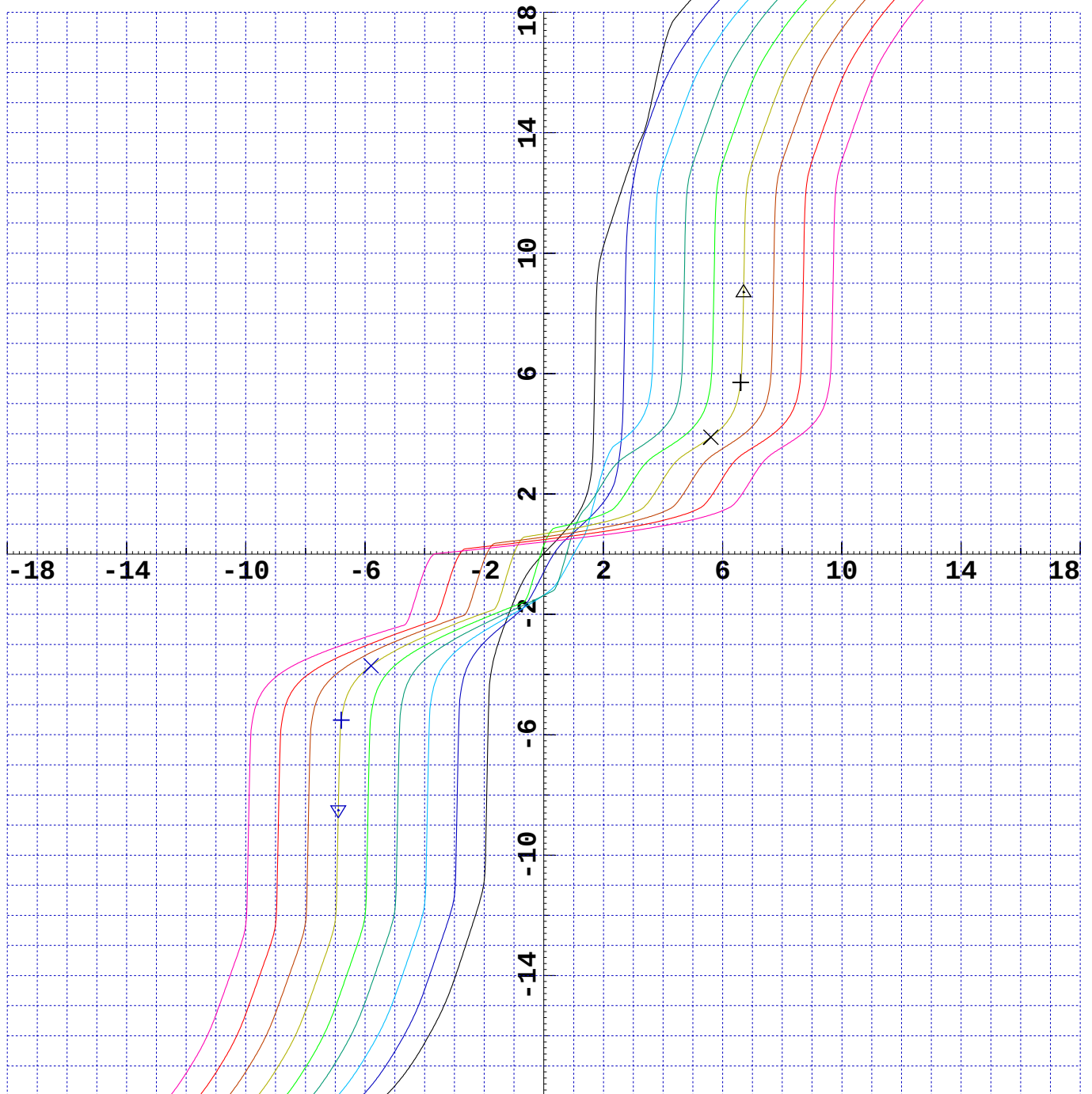
Gauge= 1425 —
 1427 —
 1429 —
 1431 —
 1433 —
 1435 —
 1437 —
 1439 —
 1441 —

Radial Steering Index

× = $\Delta r_E = 3.88$ left curve
 × = $\Delta r_E = 3.71$ right curve
 + = $A0r = 6.60$ 5.70
 + = $A0l = -6.80$ -5.51

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/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
 Wprof_lat_shift= 0 Gauge= 1425-1441

rr-rl

Ident: kpfr_009

GENSYS-KPF.1308

Delta_Y=

.1

.5

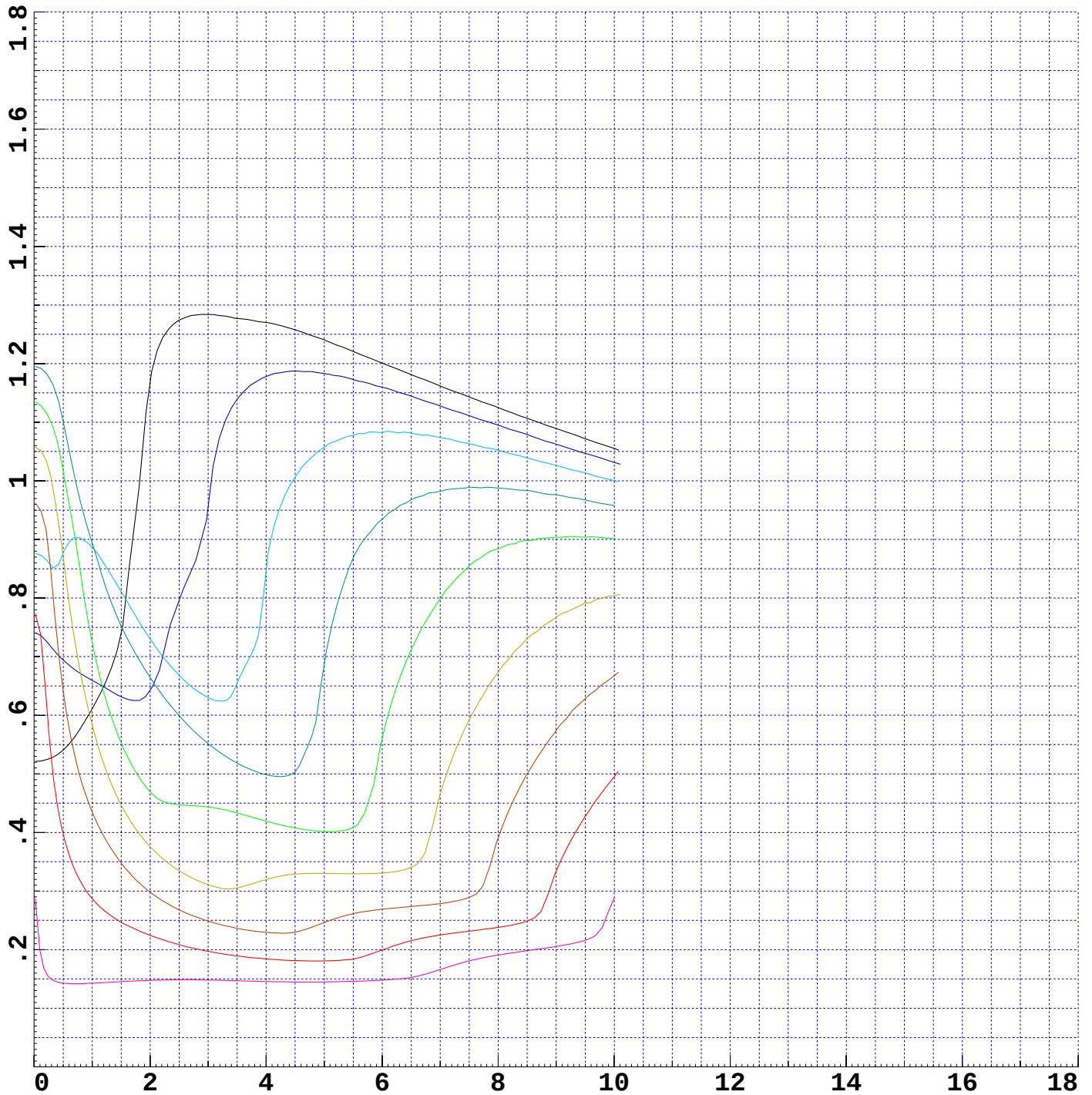
2

3

4

6

Gauge=	1425	—	.522	.540	1.167	1.284	1.270	1.201
	1427	—	.737	.694	.643	.956	1.178	1.160
	1429	—	.874	.877	.730	.630	.847	1.083
	1431	—	1.193	1.102	.664	.552	.499	.934
	1433	—	1.129	1.017	.469	.444	.419	.561
	1435	—	1.052	.870	.376	.311	.320	.331
	1437	—	.951	.642	.298	.249	.230	.269
	1439	—	.743	.398	.224	.197	.184	.199
	1441	—	.197	.143	.148	.148	.146	.148



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

Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail

Wprof_lat_shift= 0 Gauge= 1425-1441

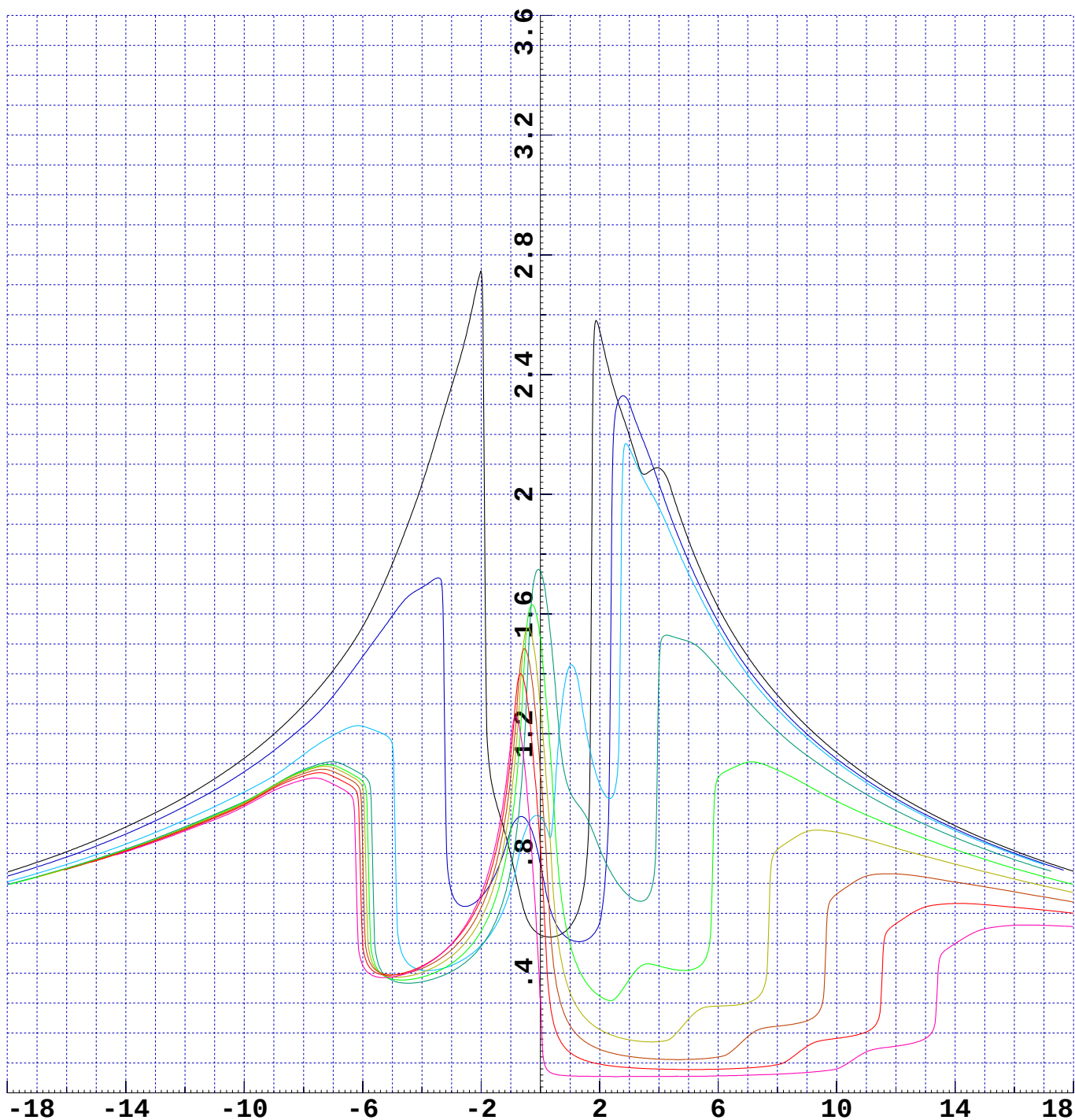
UIC519

Ident: kpfr_009

GENSYS-KPF.1308

Delta_Y=

		.1	.5	2	3	4	6
Gauge=	1425	.524	.523	2.545	2.196	2.088	1.622
	1427	.715	.570	.569	2.303	2.035	1.573
	1429	.908	1.029	1.030	2.154	1.956	1.547
	1431	1.707	1.354	.815	.657	1.410	1.420
	1433	1.414	.878	.323	.379	.424	1.053
	1435	1.176	.593	.212	.177	.171	.290
	1437	.939	.385	.146	.122	.113	.120
	1439	.641	.212	.096	.084	.079	.079
	1441	.115	.062	.055	.055	.055	.057



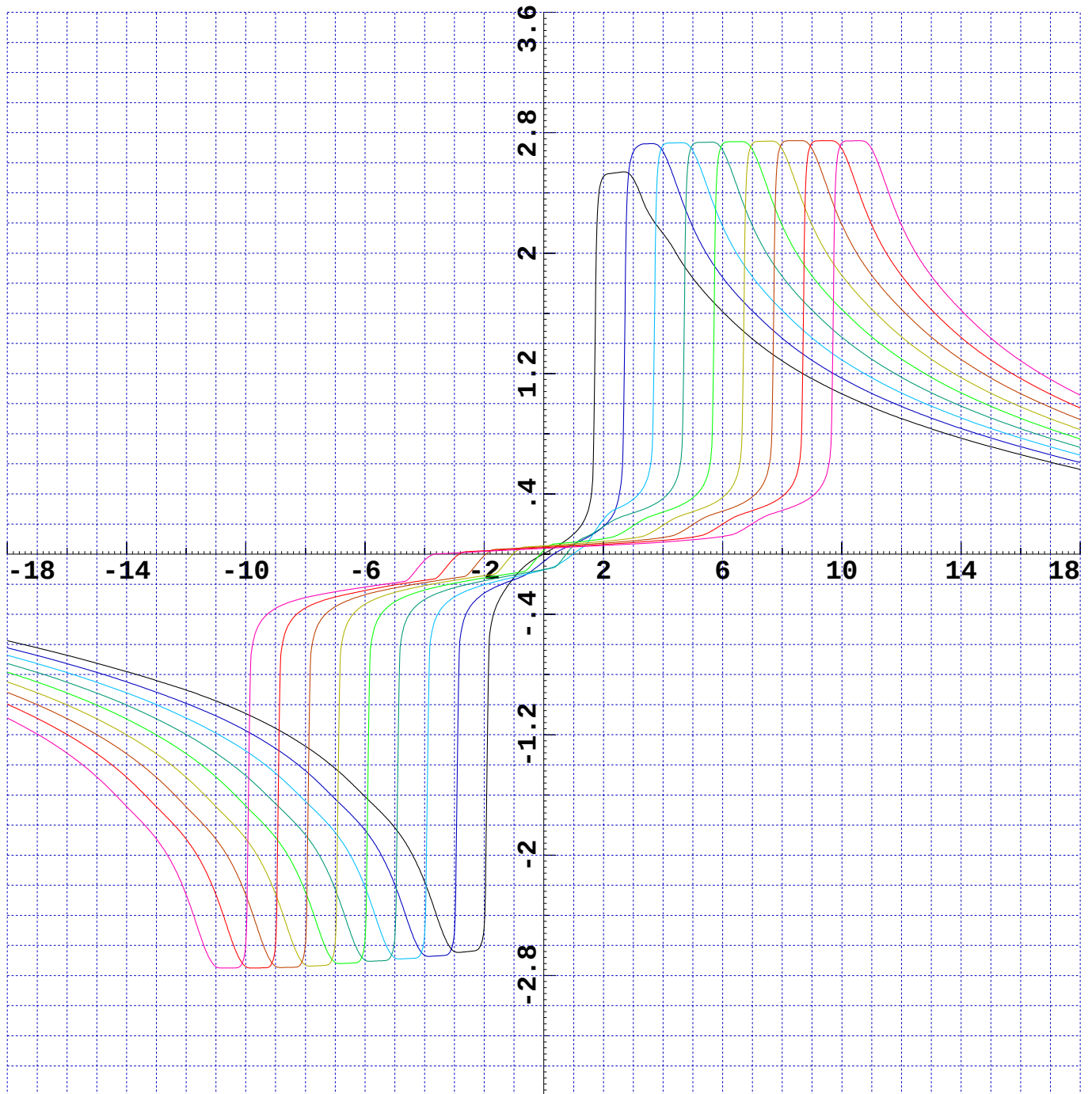
Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel
 Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
 Wprof_lat_shift= 0 Gauge= 1425-1441

lambda

Ident: kpfr_009

GENSYS-KPF.1308

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

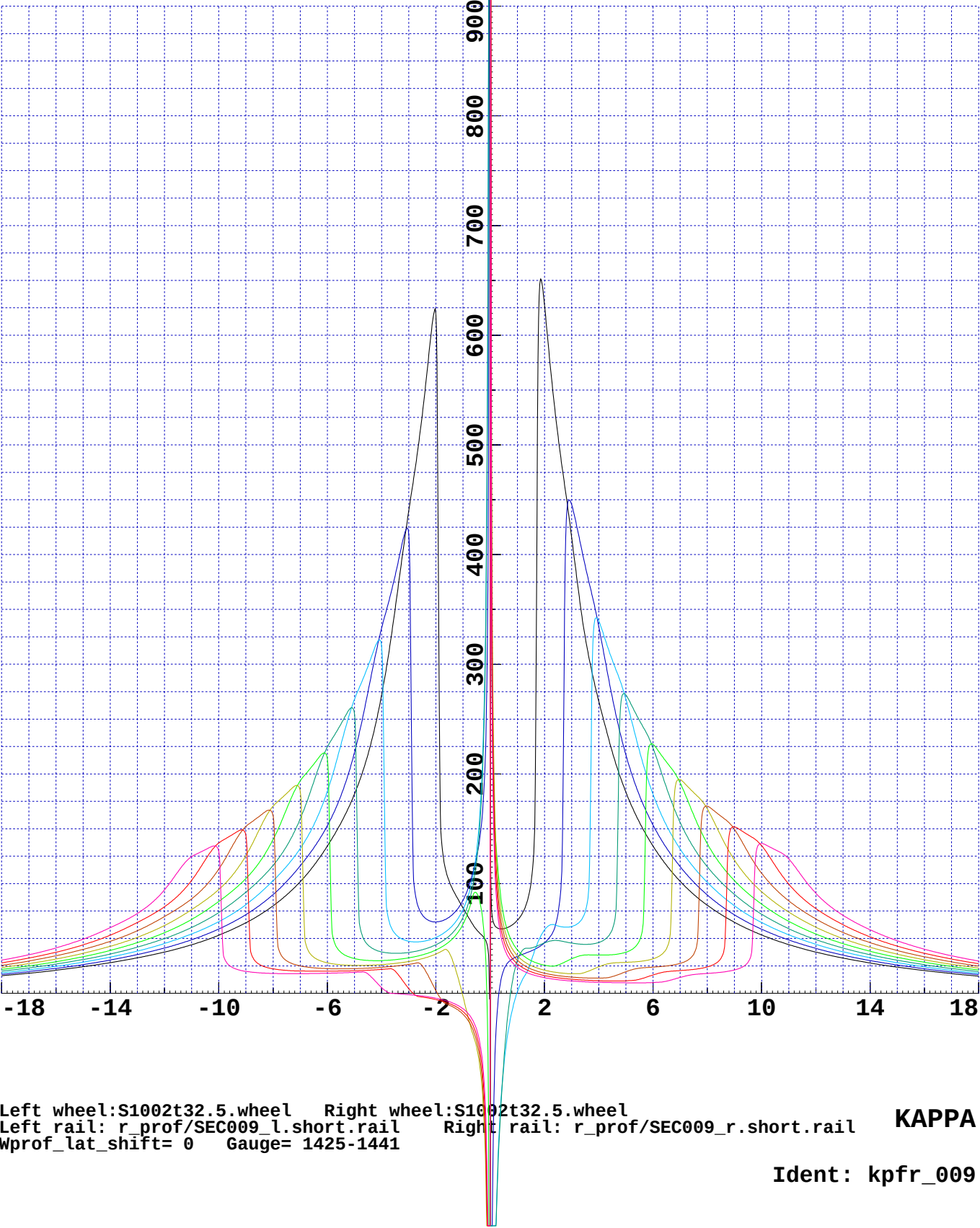


Left wheel: S1002t32.5.wheel Right wheel: S1002t32.5.wheel $\tan_{Ga}$
 Left rail: r_prof/SEC009_l.short.rail Right rail: r_prof/SEC009_r.short.rail
 Wprof_lat_shift= 0 Gauge= 1425-1441

Ident: kpfr_009

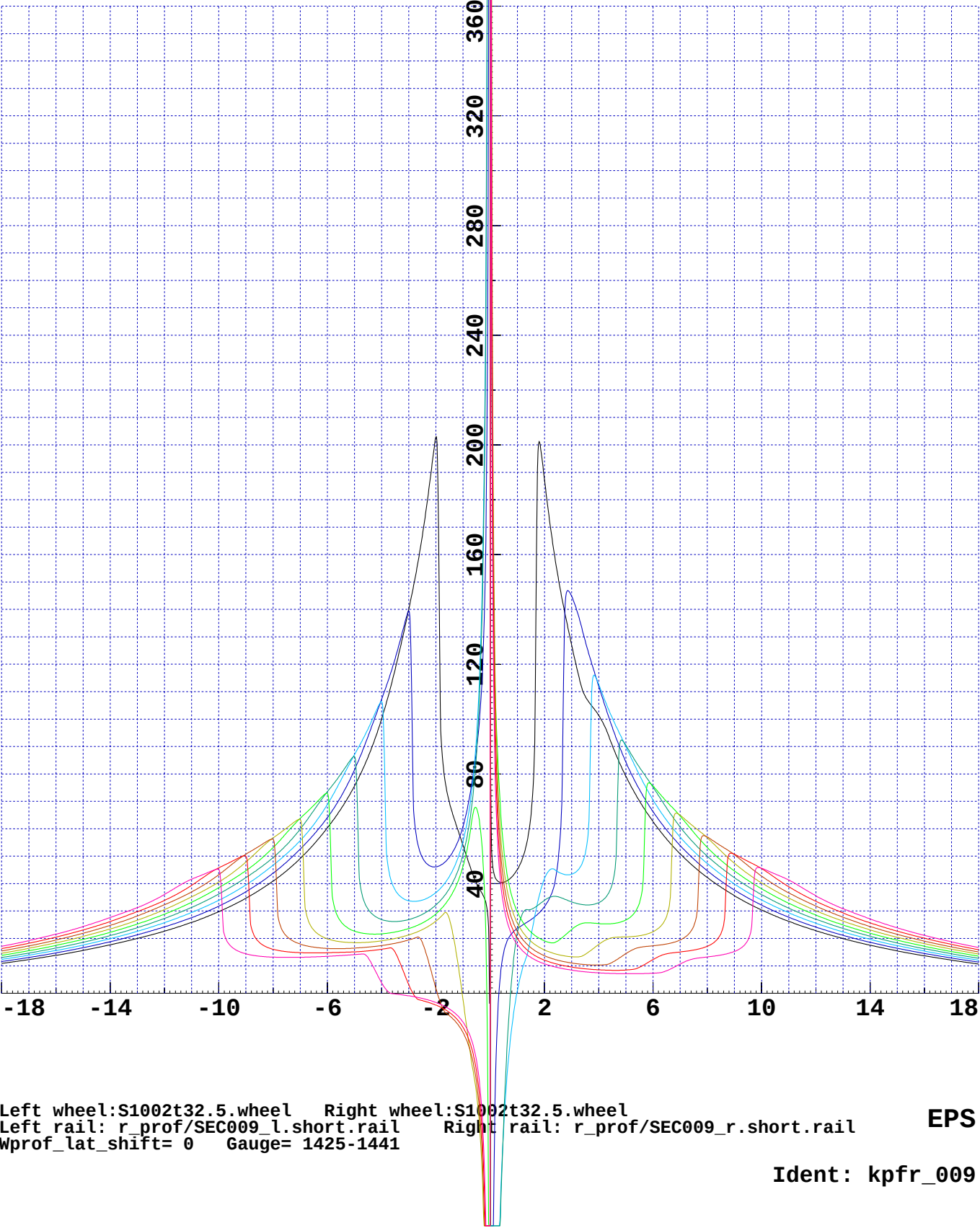
GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	66.69	58.90	627.28	415.51	266.17	134.26
1427	—	-163.19	21.20	45.95	445.53	334.29	153.22
1429	—	-495.60	-67.25	57.85	60.83	339.52	181.42
1431	—	-490.28	-63.52	45.94	45.73	46.27	223.63
1433	—	216.16	70.69	25.62	31.49	34.88	227.03
1435	—	282.57	61.70	21.15	17.85	24.13	31.44
1437	—	250.65	54.61	18.31	14.78	13.83	23.80
1439	—	221.79	48.46	16.13	12.80	11.46	16.66
1441	—	194.07	42.63	14.31	11.26	9.97	9.79



GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	46.06	40.52	187.13	126.93	101.33	62.60
1427	—	-116.01	14.97	31.65	144.81	111.93	66.25
1429	—	-360.54	-48.83	41.90	43.41	112.63	70.52
1431	—	-359.18	-46.69	33.93	33.30	33.04	75.20
1433	—	161.37	52.82	19.11	23.27	25.41	75.60
1435	—	211.35	46.14	15.80	13.32	17.83	22.47
1437	—	187.59	40.87	13.69	11.04	10.32	17.35
1439	—	166.07	36.28	12.07	9.57	8.57	12.32
1441	—	145.37	31.93	10.71	8.42	7.46	7.31



EPS

Ident: kpfr_009

GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	1.09	.54	.73	1.16	1.32	1.31
1427	—	.98	.48	.39	.57	.90	1.11
1429	—	1.50	.49	.34	.31	.44	.89
1431	—	2.20	.61	.25	.24	.24	.61
1433	—	2.65	.59	.21	.18	.18	.30
1435	—	2.24	.50	.18	.15	.14	.16
1437	—	1.88	.42	.15	.13	.11	.13
1439	—	1.56	.35	.13	.11	.10	.09
1441	—	1.26	.29	.11	.09	.08	.07

