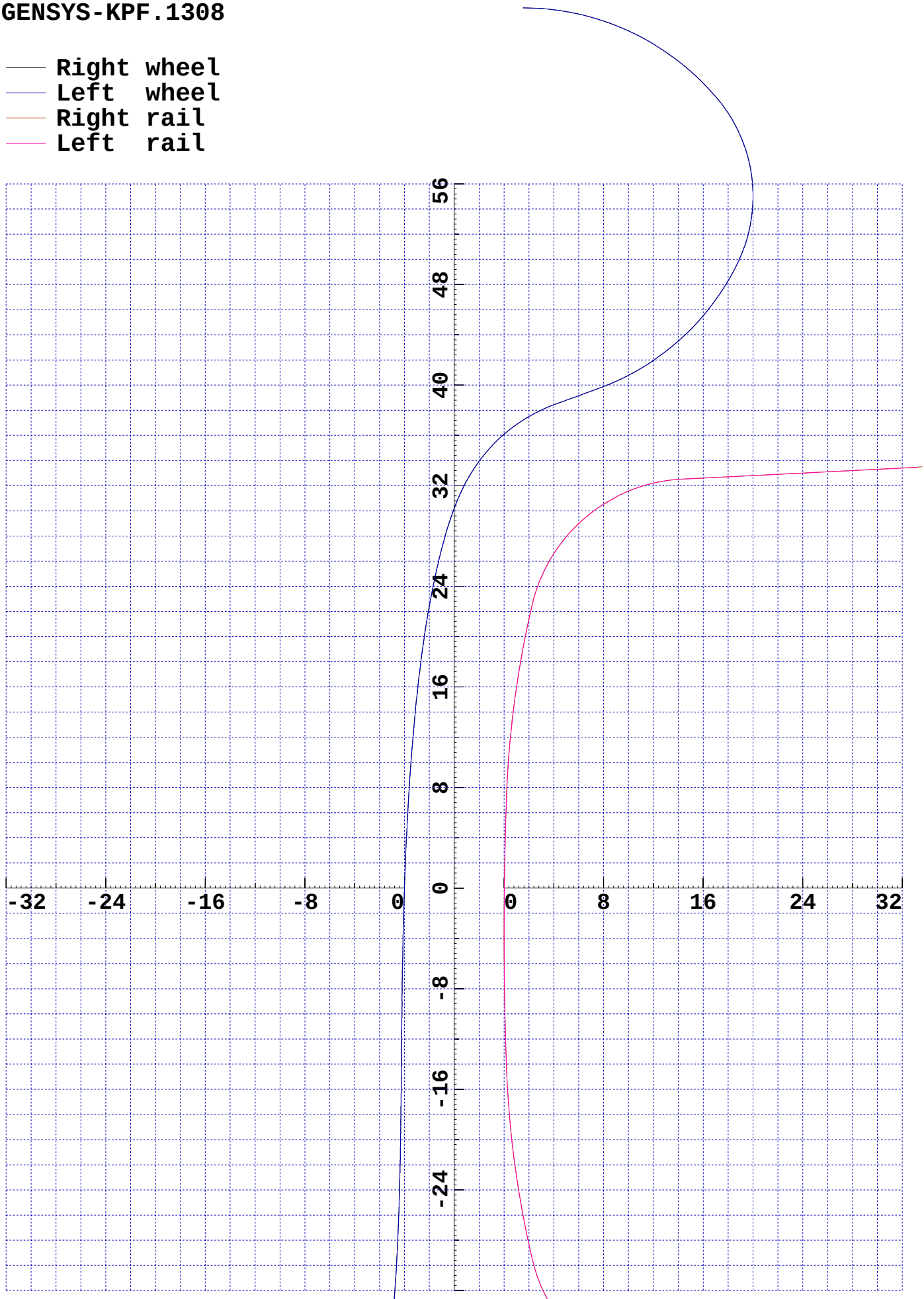
GENSYS-KPF.1308

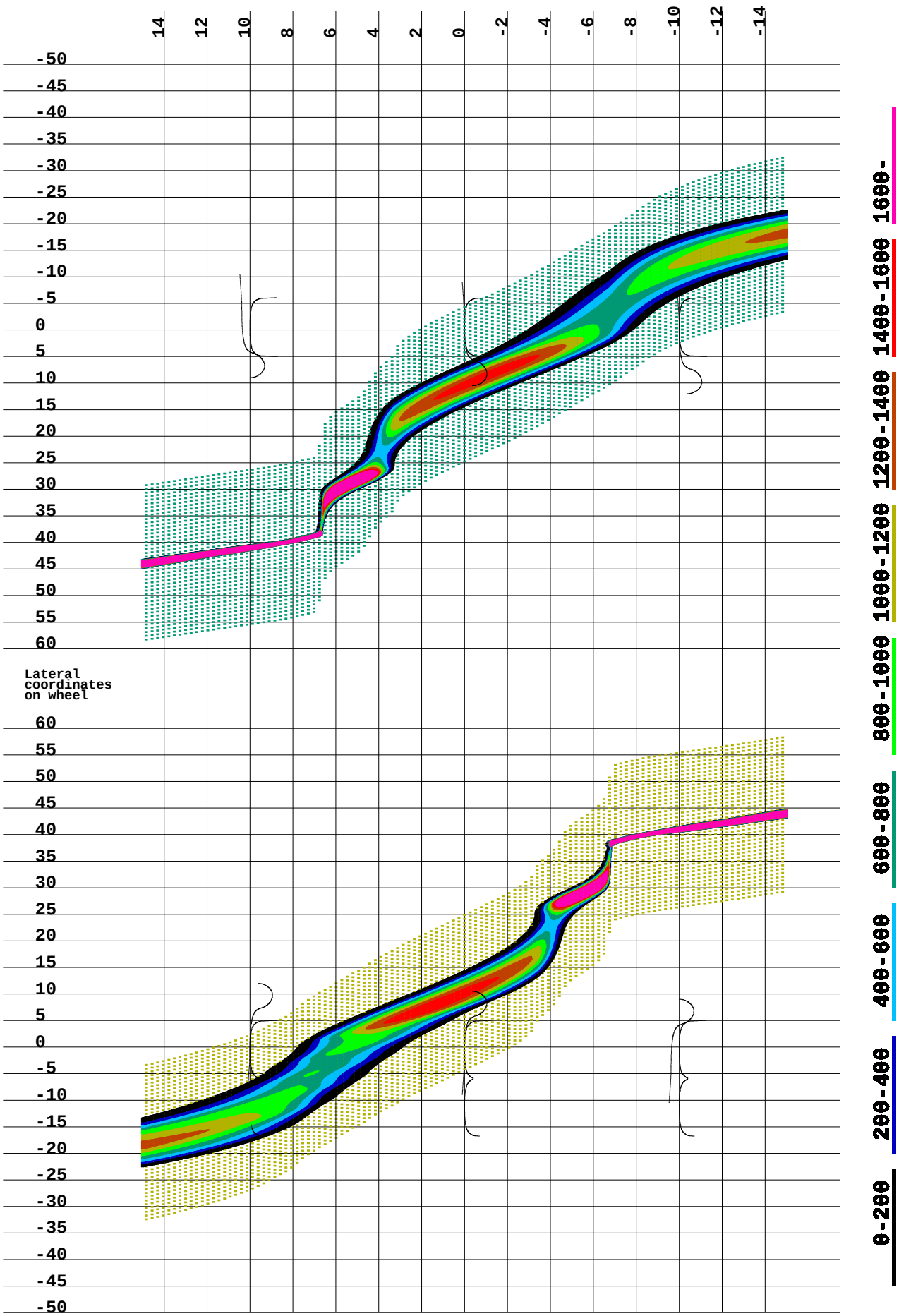


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

WRGEOM

Ident: kpfr_010

GENSYS-KPF.1308



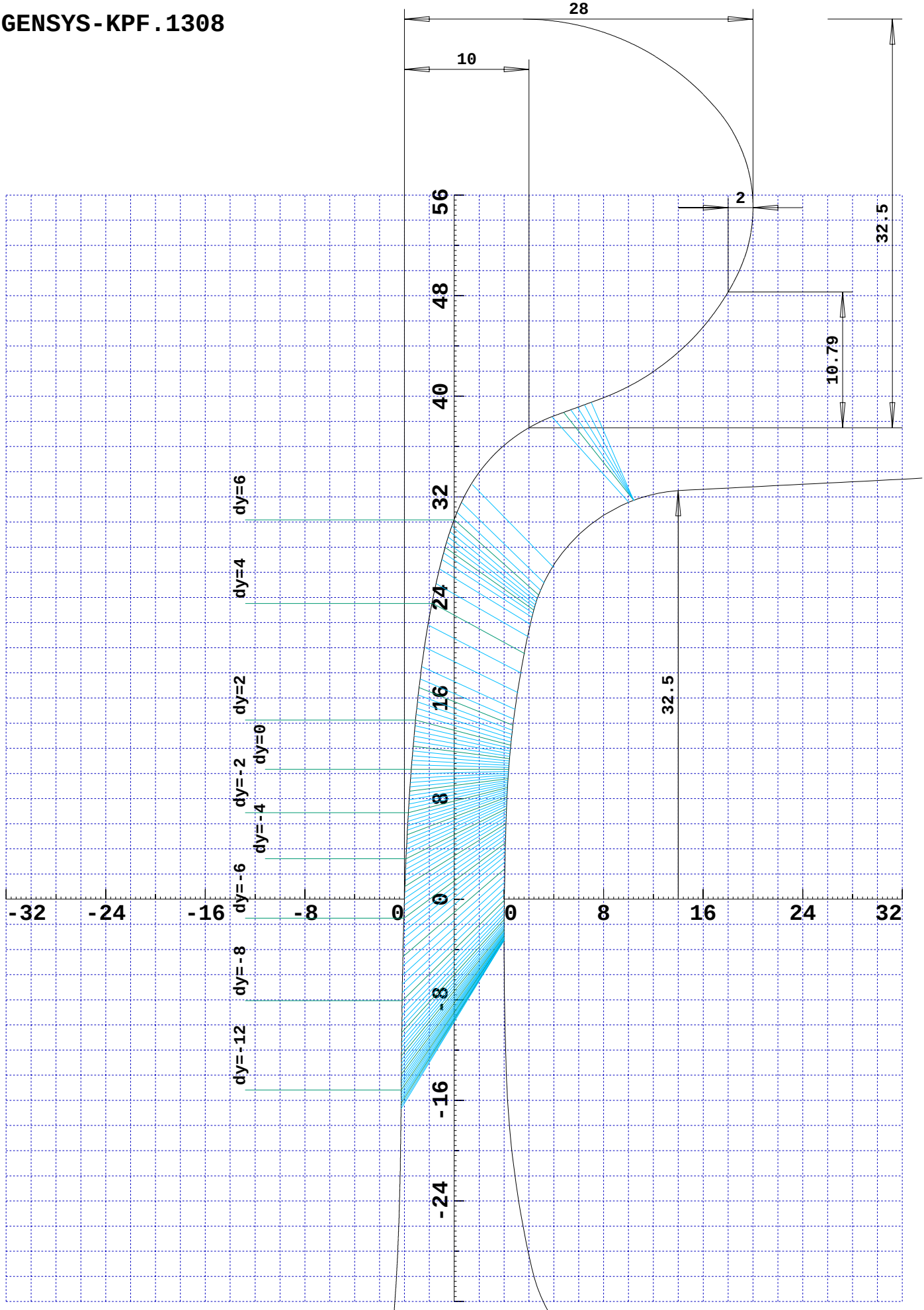
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel

Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.sho

Wprof_lat_shift= 0 Gauge= 1425-1441

Contact Pressure

GENSYS-KPF.1308

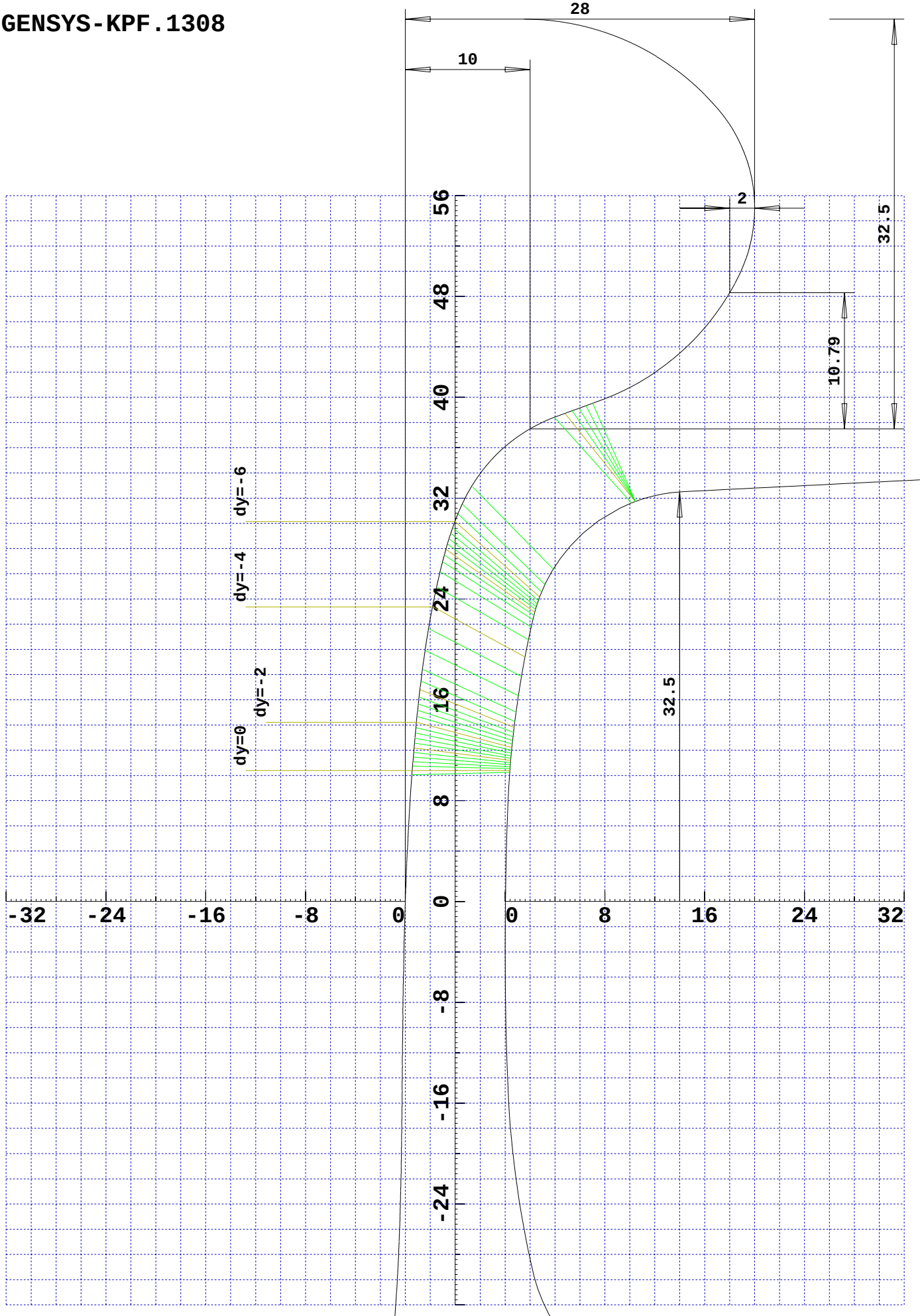


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

CONNr

Ident: kpfr_010

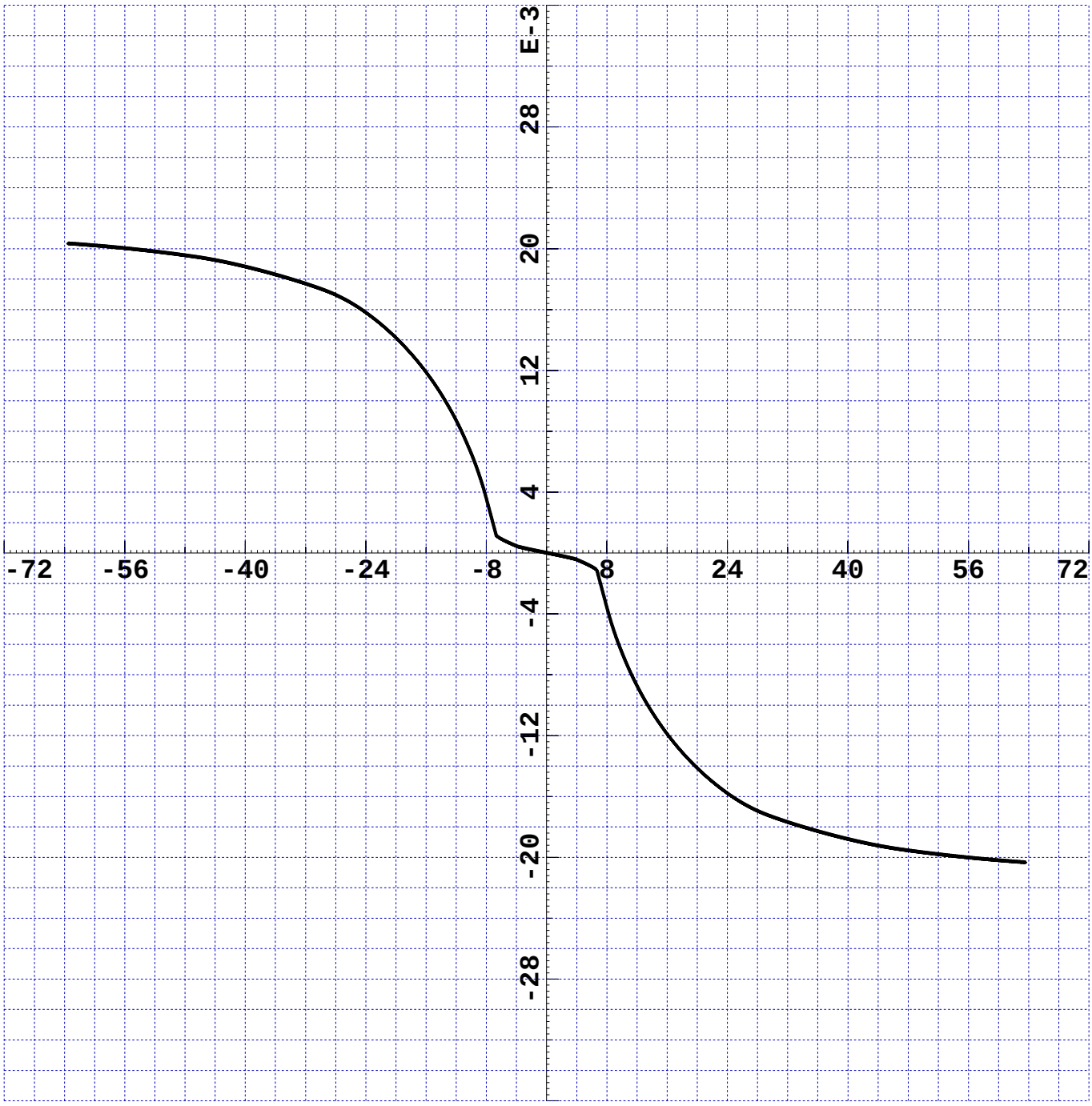
GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

CONNl

Ident: kpfr_010

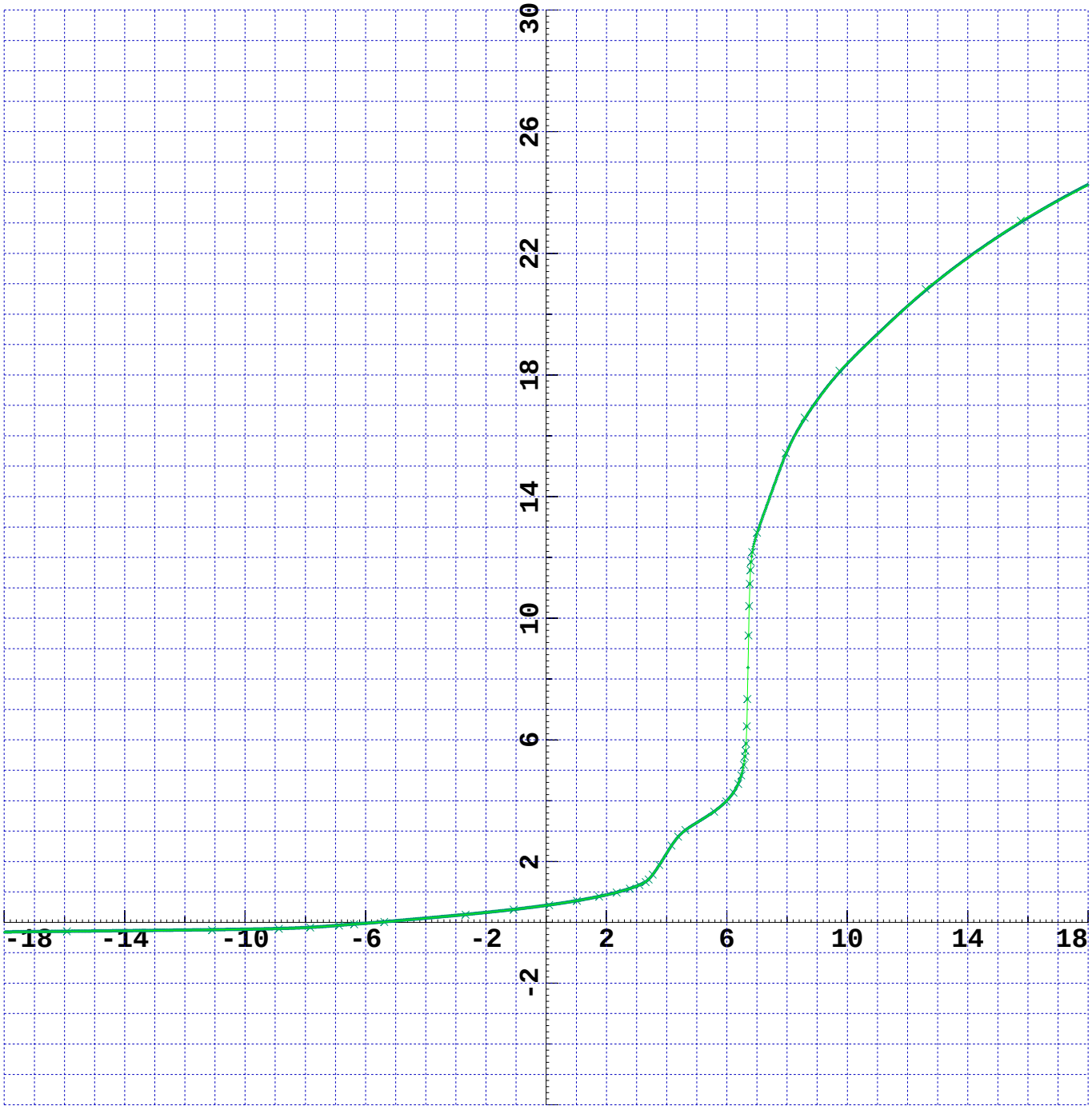


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

FIaxl

Ident: kpfr_010

GENSYS-KPF.1308

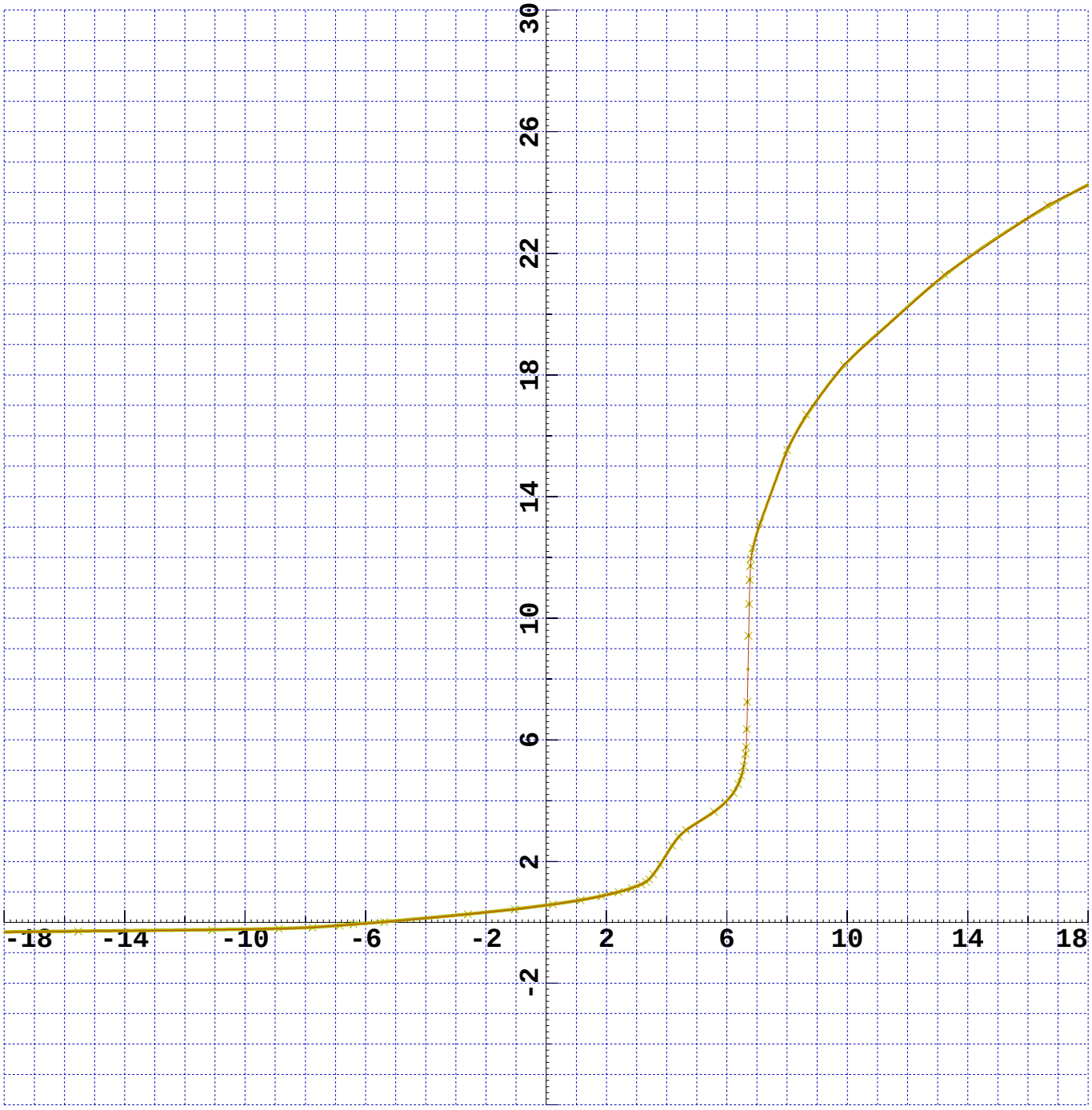


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

DRFNr

Ident: kpfr_010

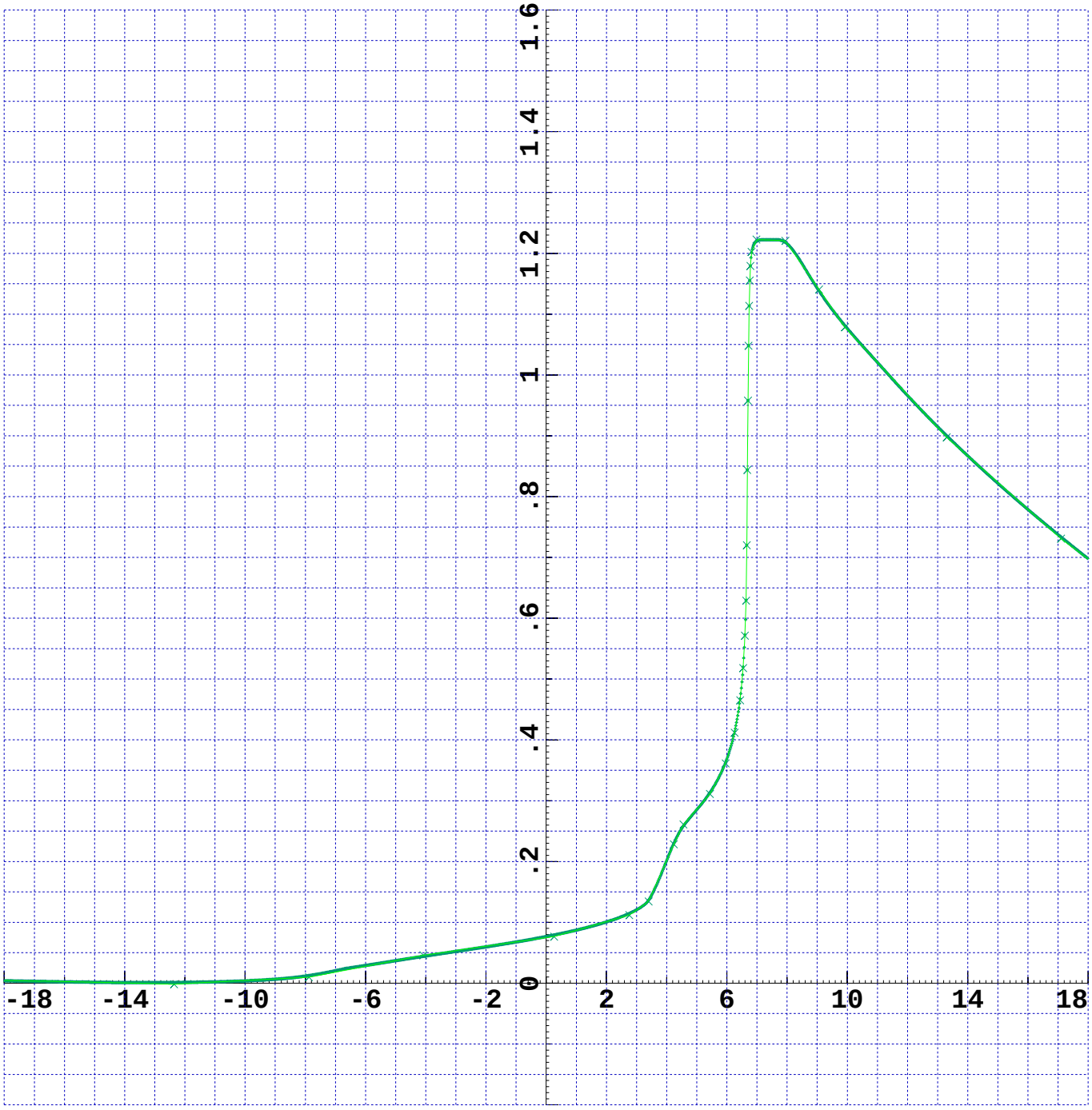
GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

DRFNl

Ident: kpfr_010



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

GAMFNr

Ident: kpfr_010

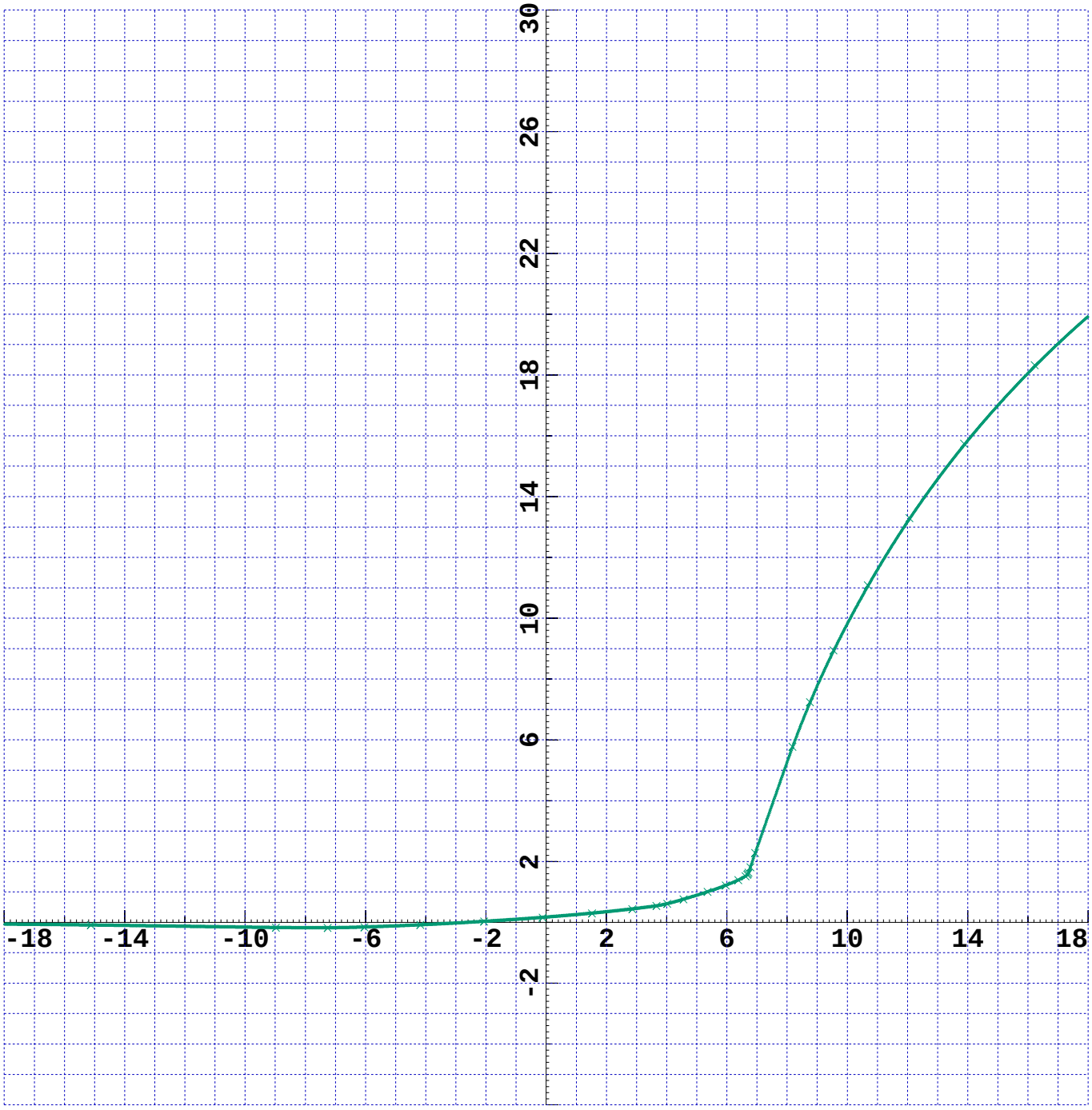
GENSYS-KPF.1308

Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

GAMFNl

Ident: kpfr_010

GENSYS-KPF.1308

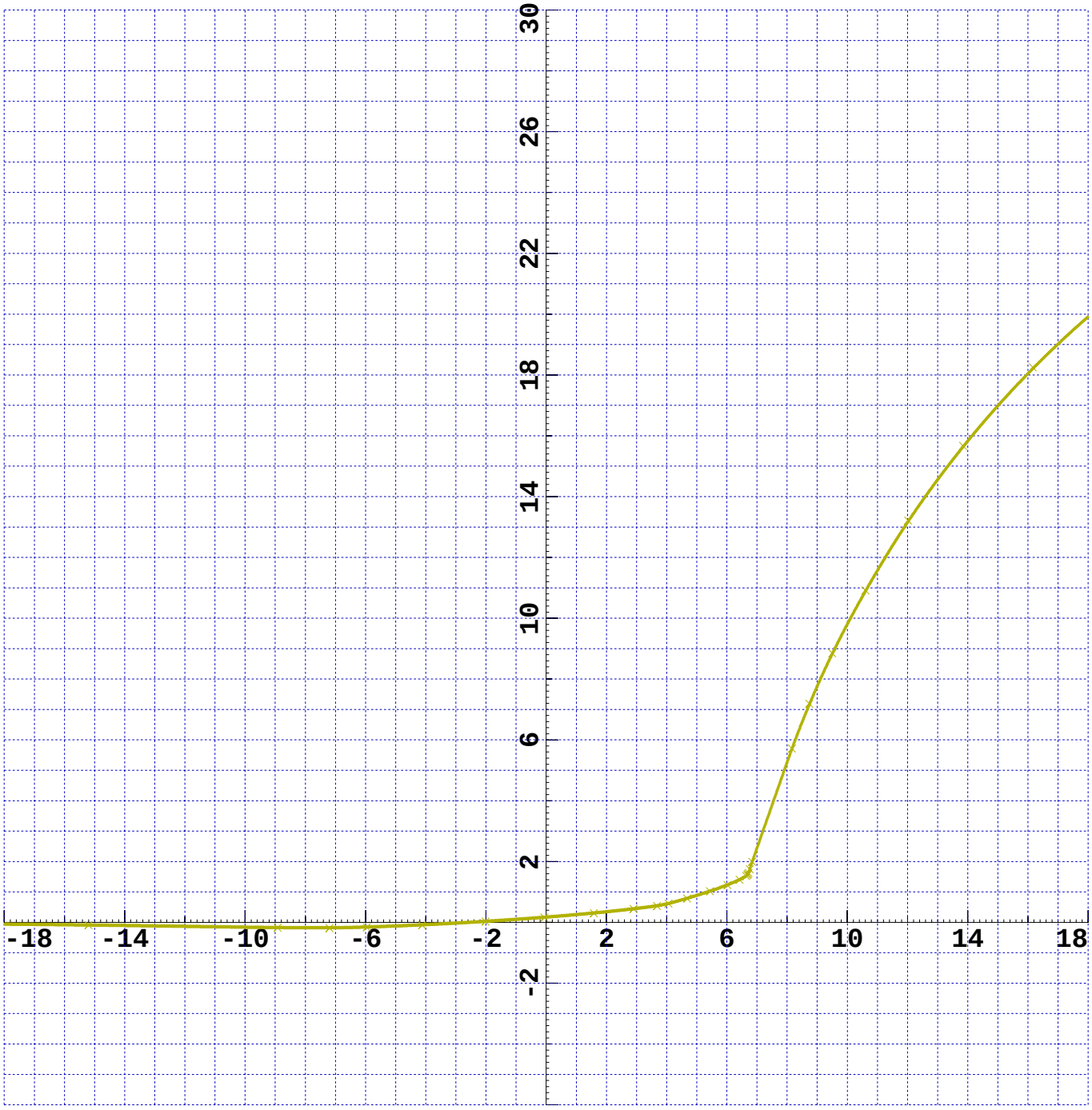


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZFNr

Ident: kpfr_010

GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZFNl

Ident: kpfr_010

GENSYS-KPF.1308

Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ROFNr

Ident: kpfr_010

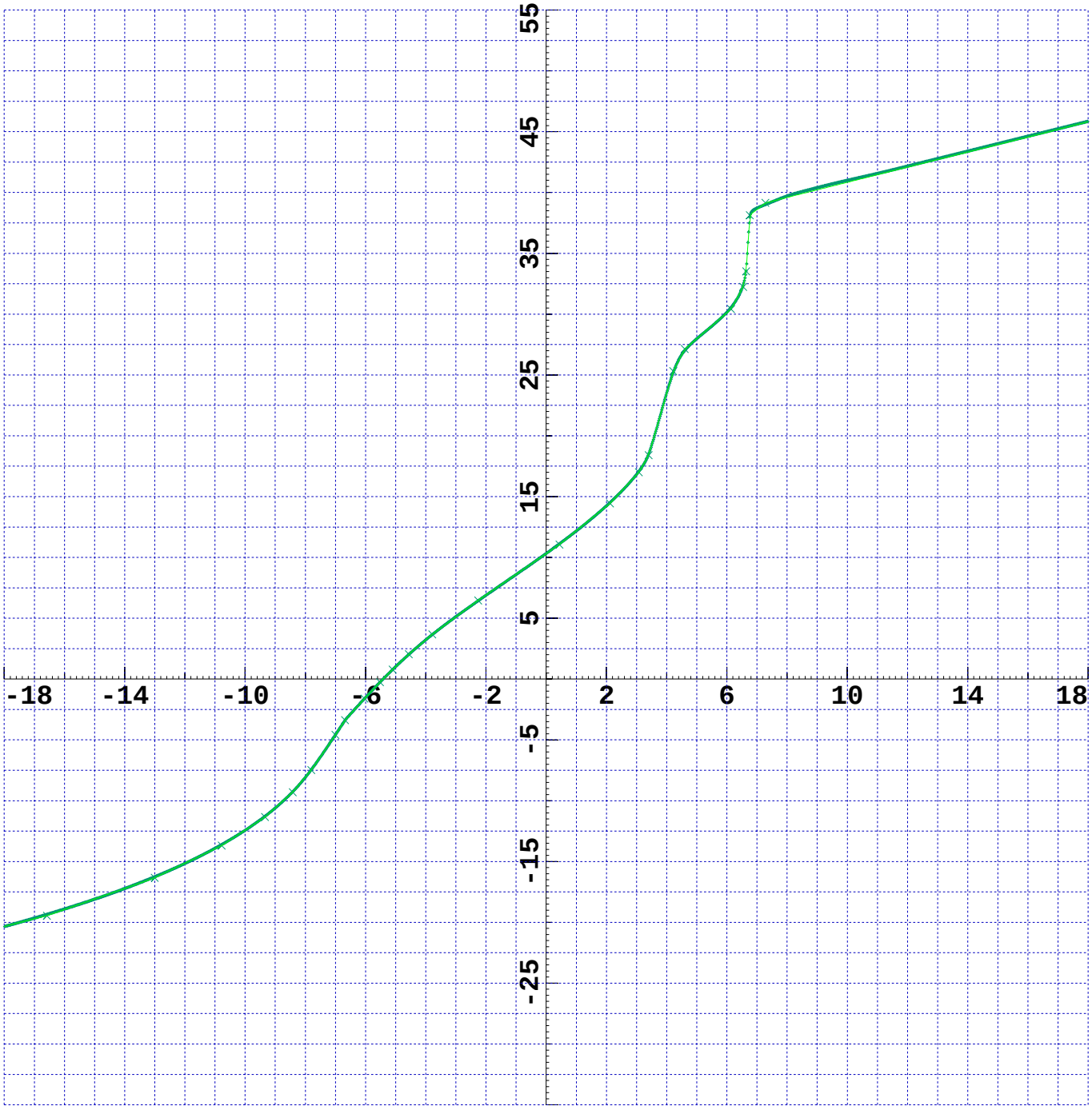
GENSYS-KPF.1308

Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ROFNl

Ident: kpfr_010

GENSYS-KPF.1308

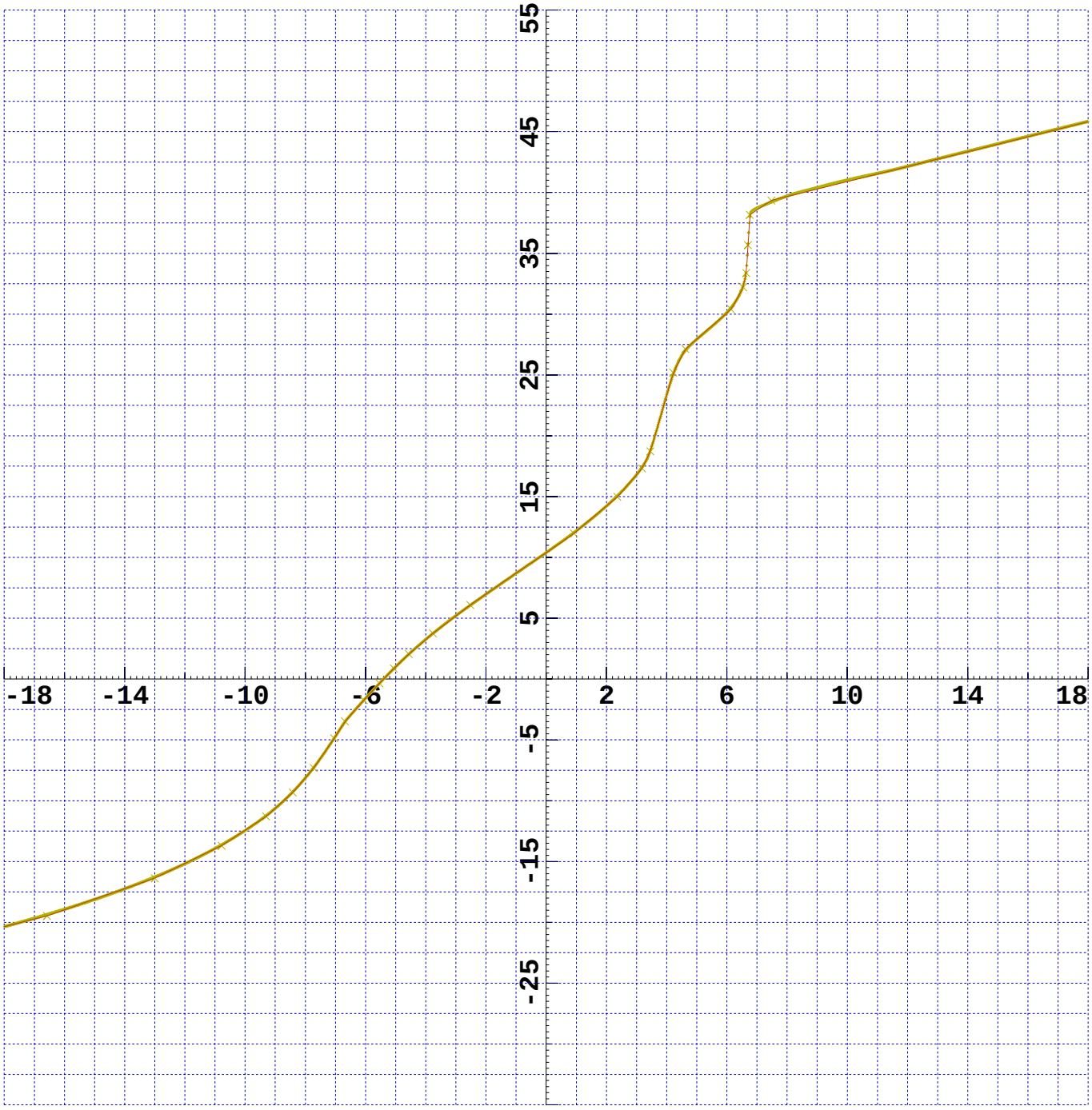


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

POSWr

Ident: kpfr_010

GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

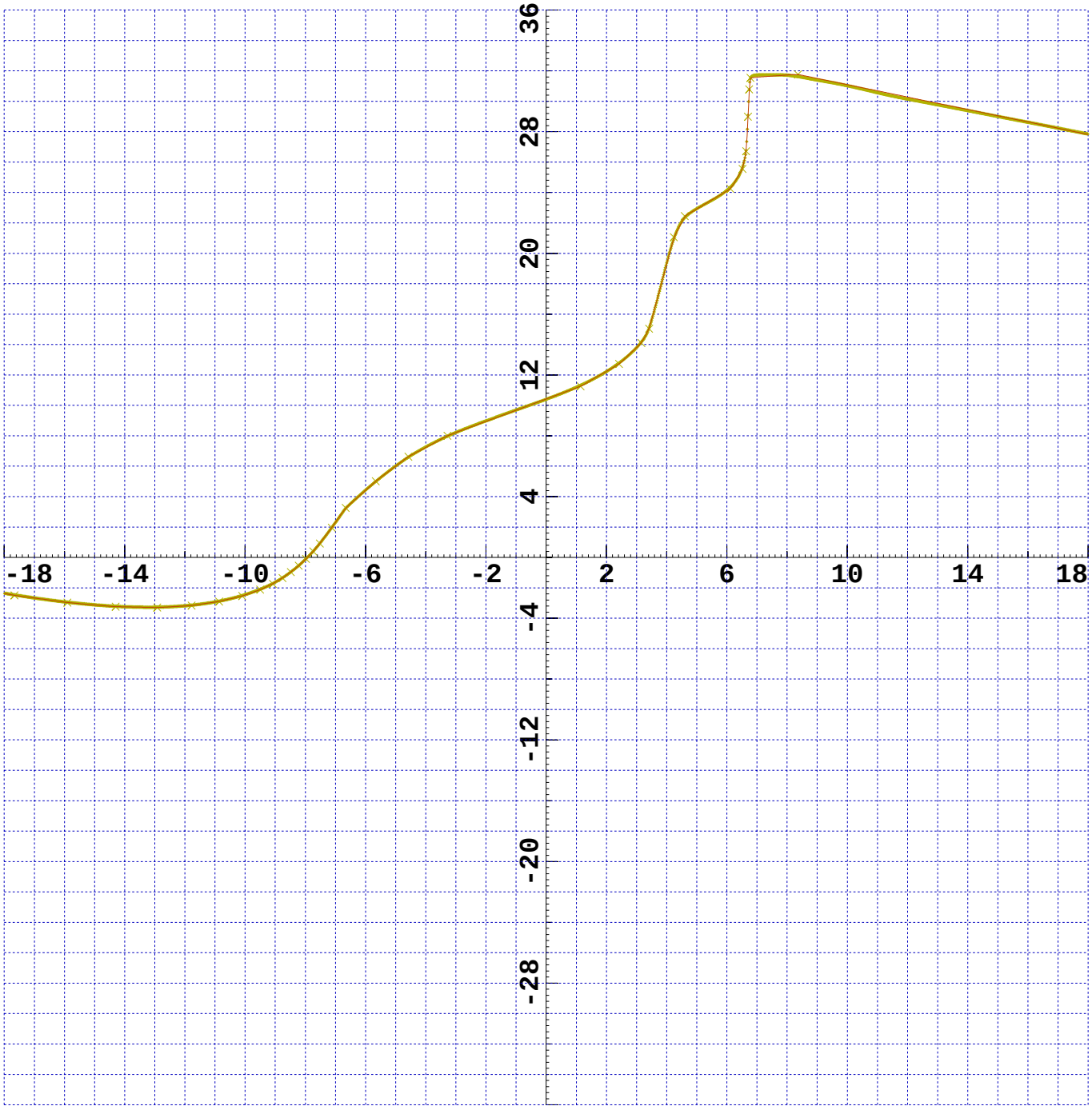
POSWl

Ident: kpfr_010

Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

POSRr

Ident: kpfr_010

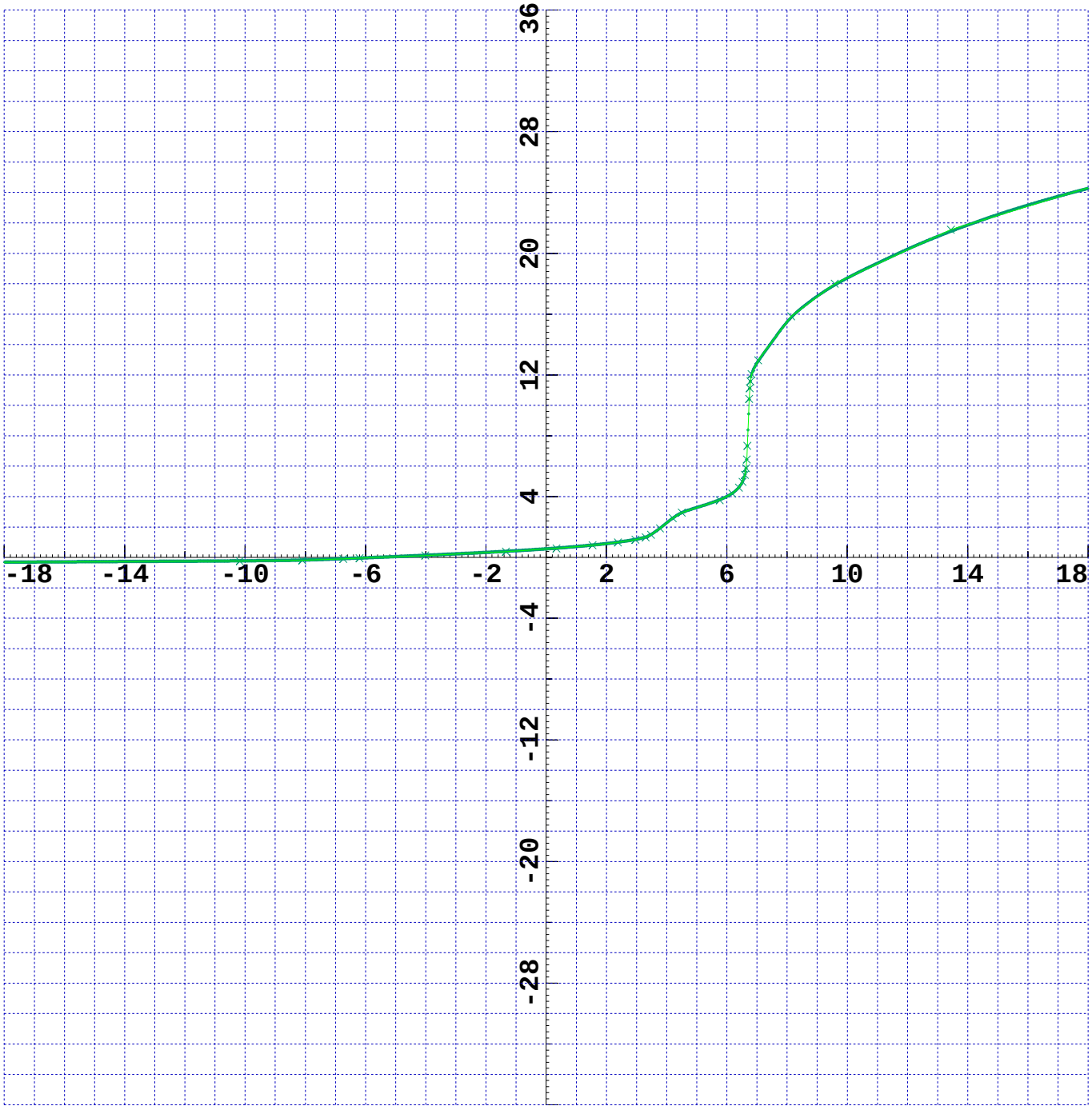


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

POSRl

Ident: kpfr_010

GENSYS-KPF.1308

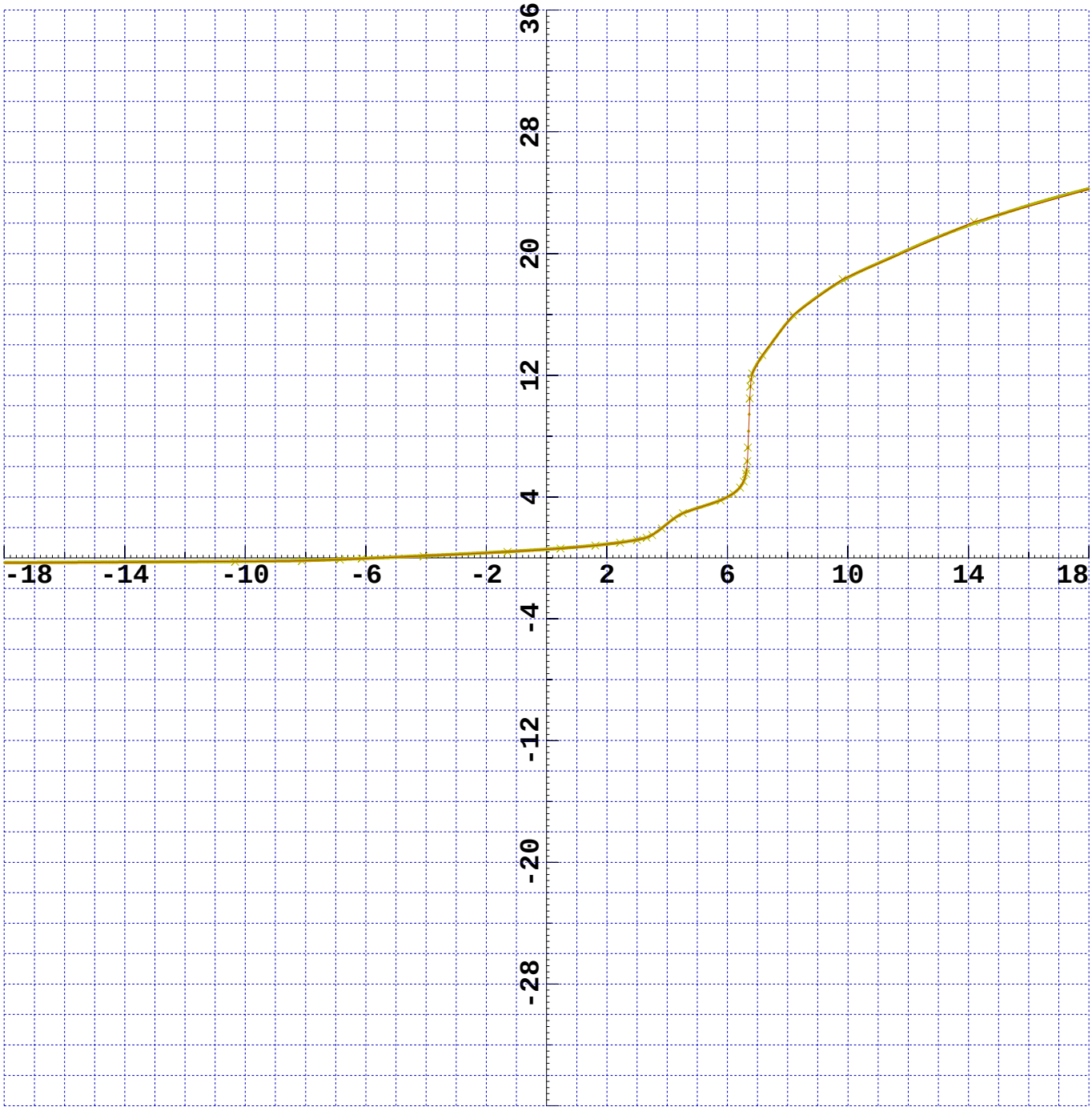


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZWr

Ident: kpfr_010

GENSYS-KPF.1308

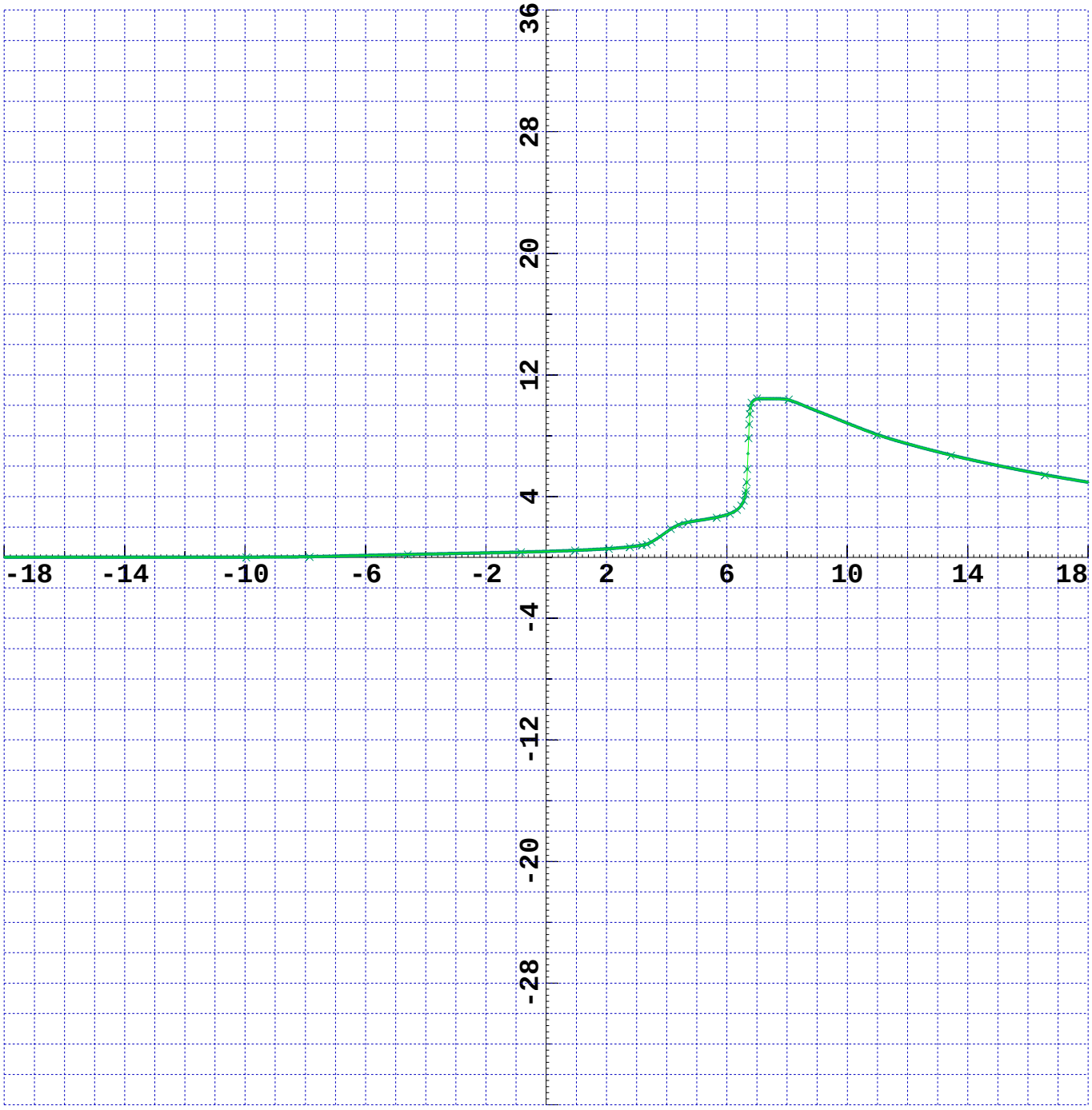


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZWl

Ident: kpfr_010

GENSYS-KPF.1308

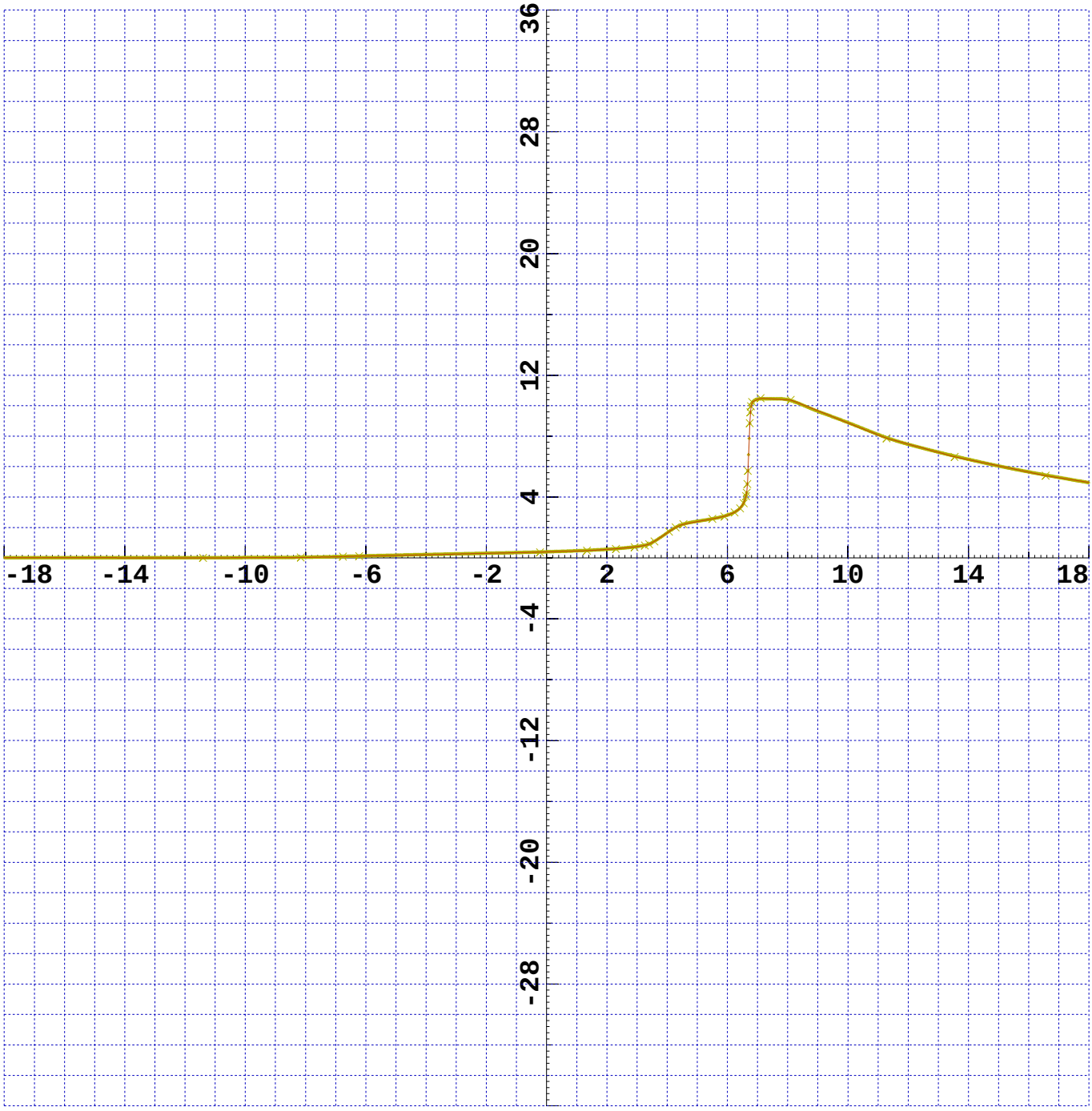


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZRr

Ident: kpfr_010

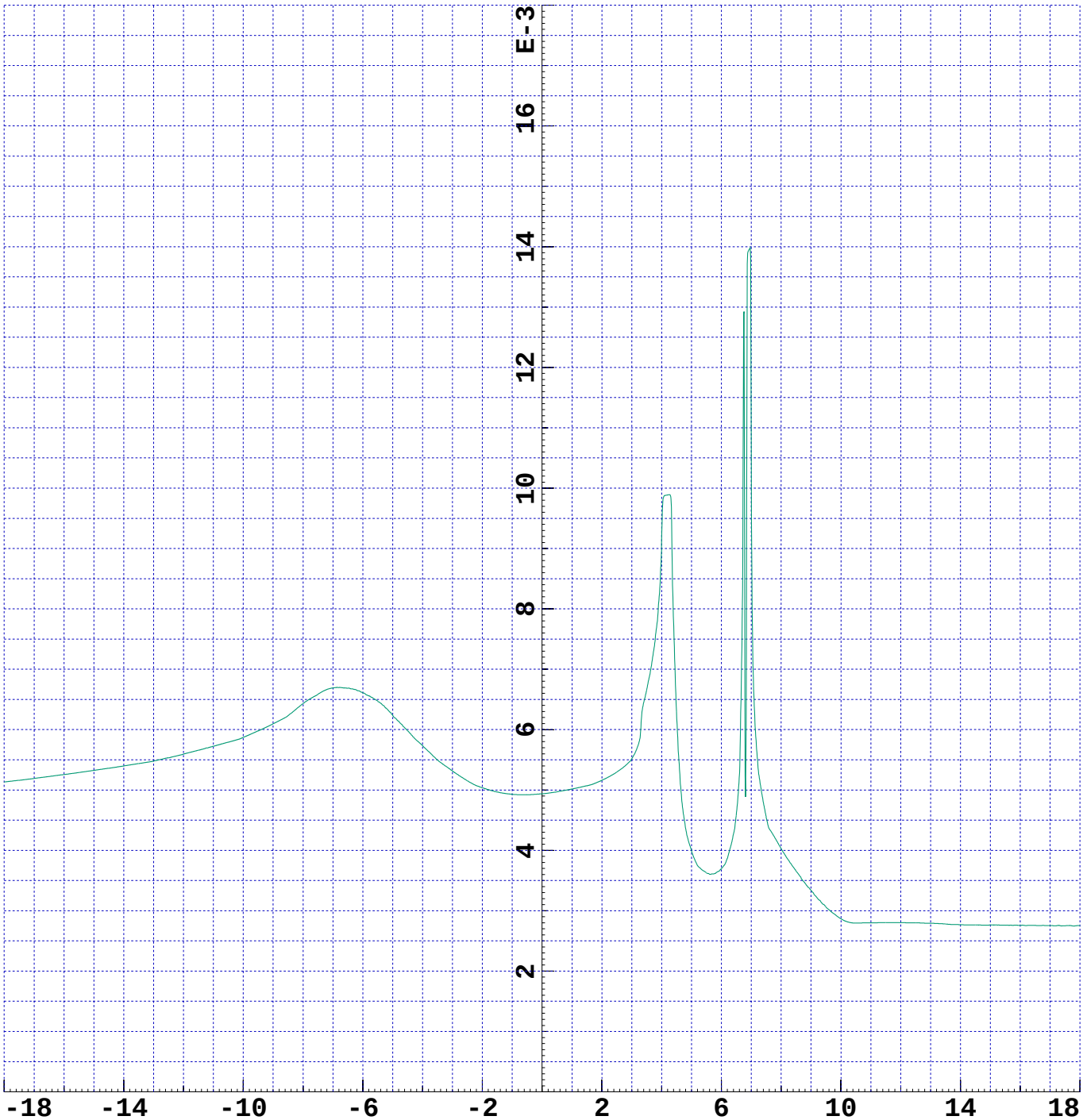
GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZRl

Ident: kpfr_010

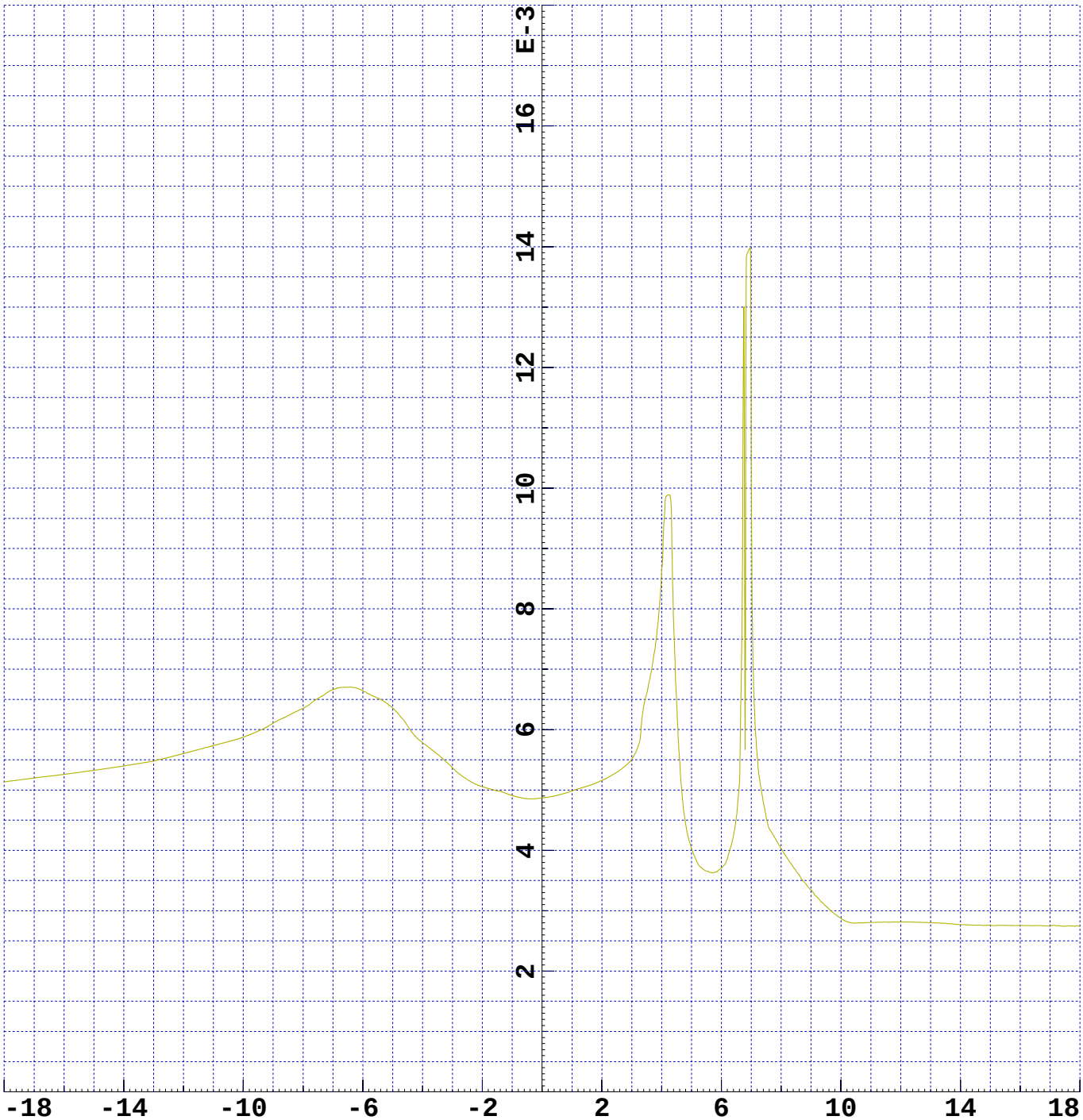


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

C_r

Ident: kpfr_010

GENSYS-KPF.1308

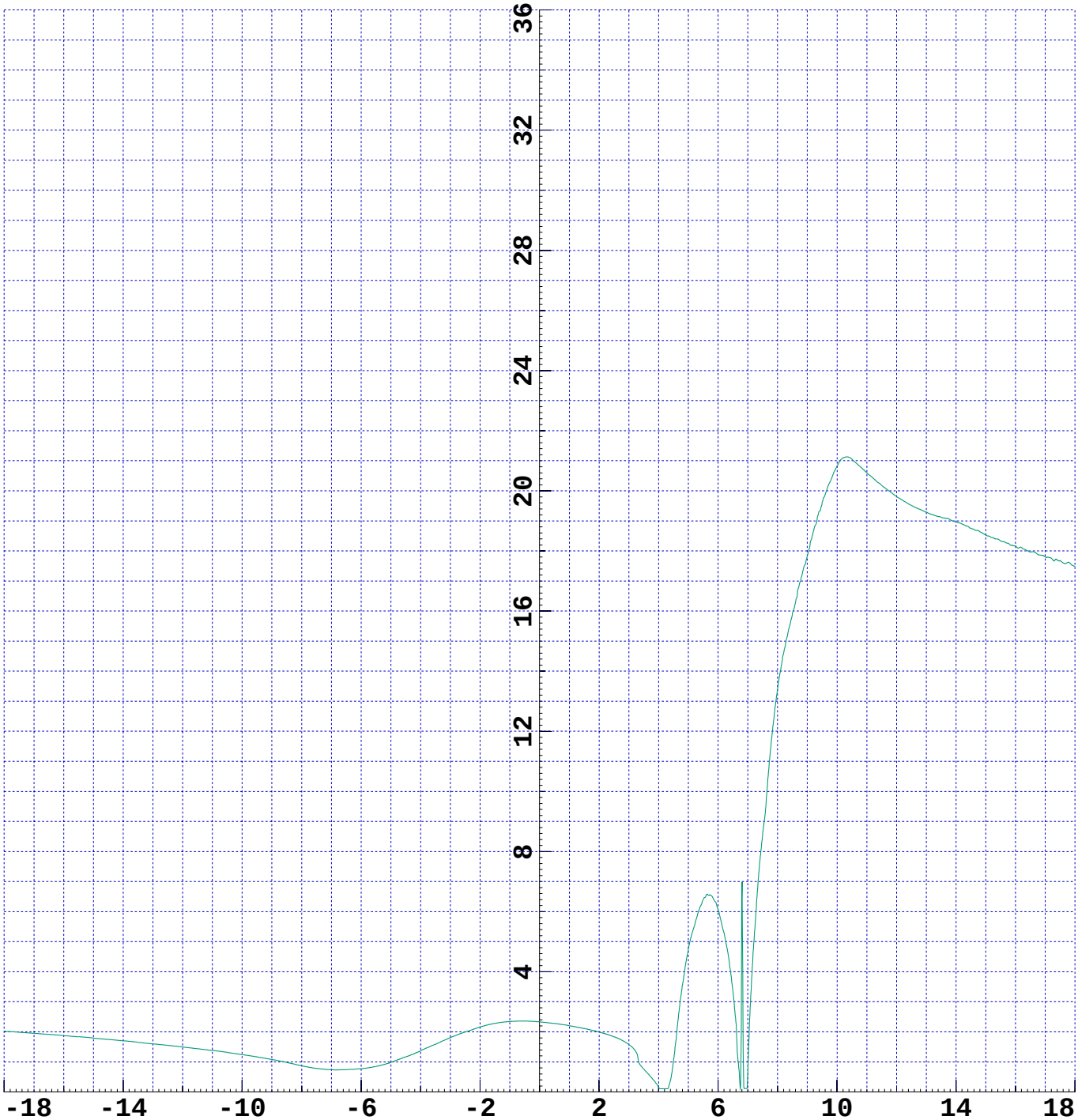


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

C_l

Ident: kpfr_010

GENSYS-KPF.1308

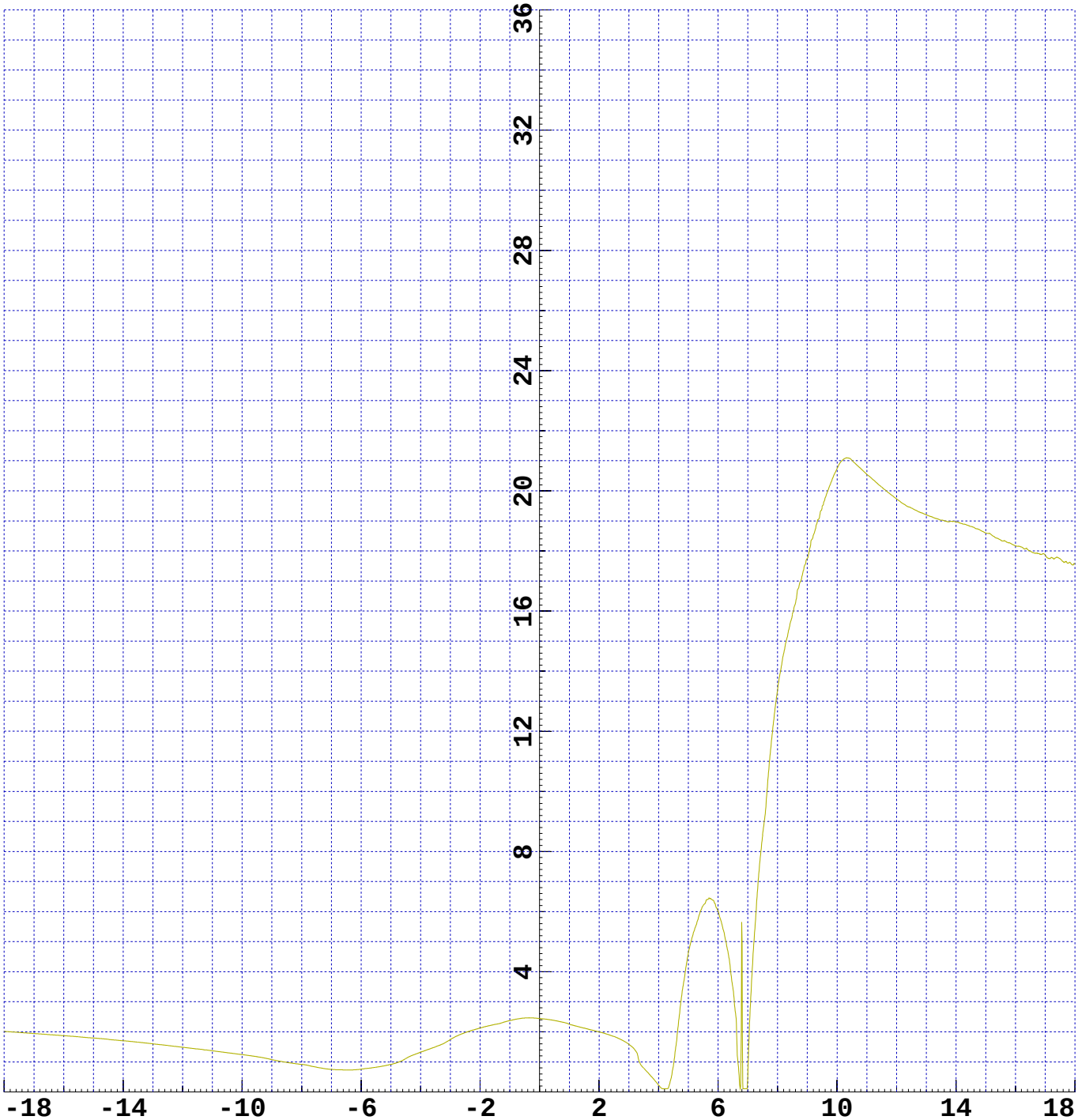


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

A/B_r

Ident: kpfr_010

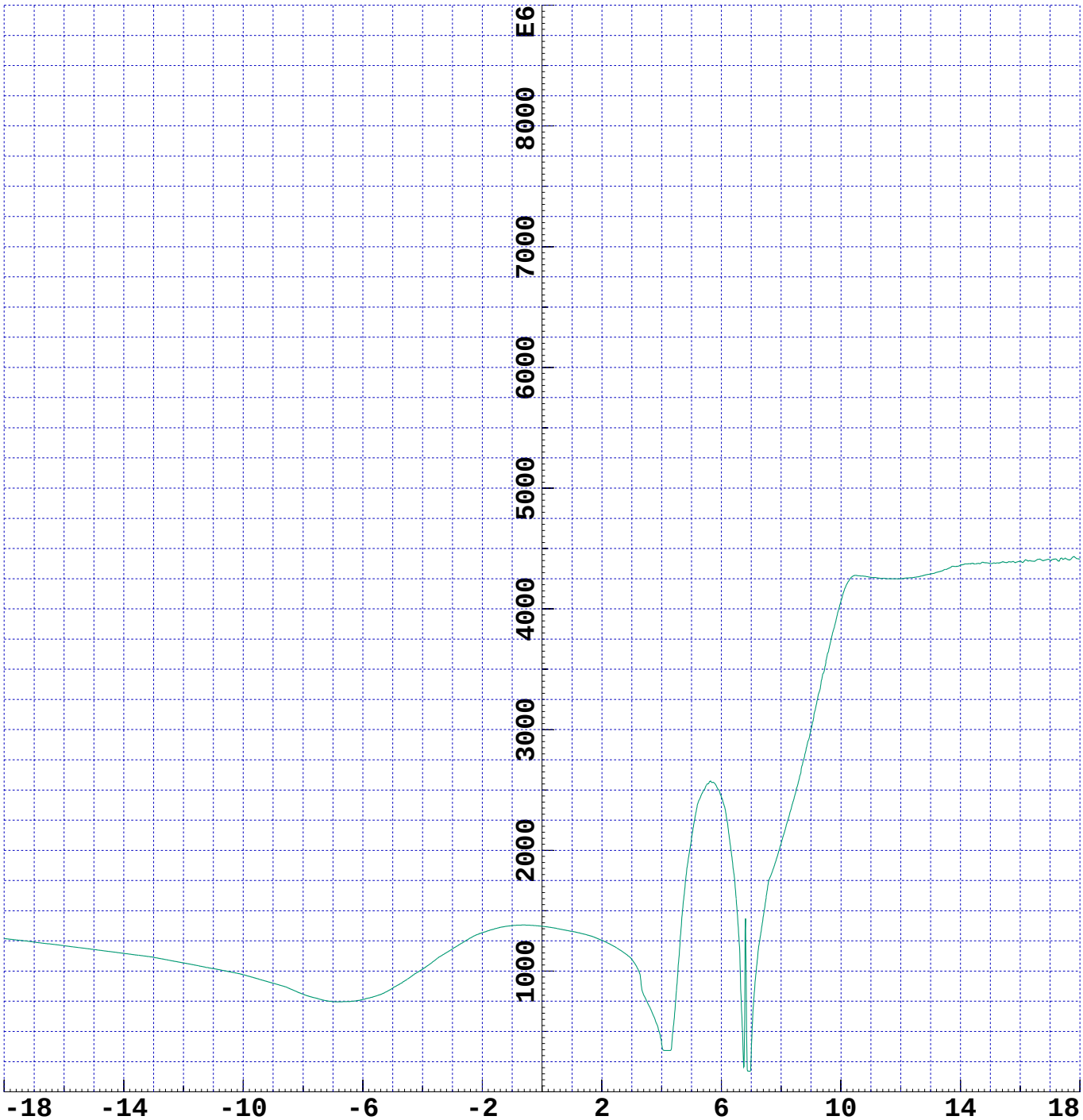
GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

A/B_l

Ident: kpfr_010

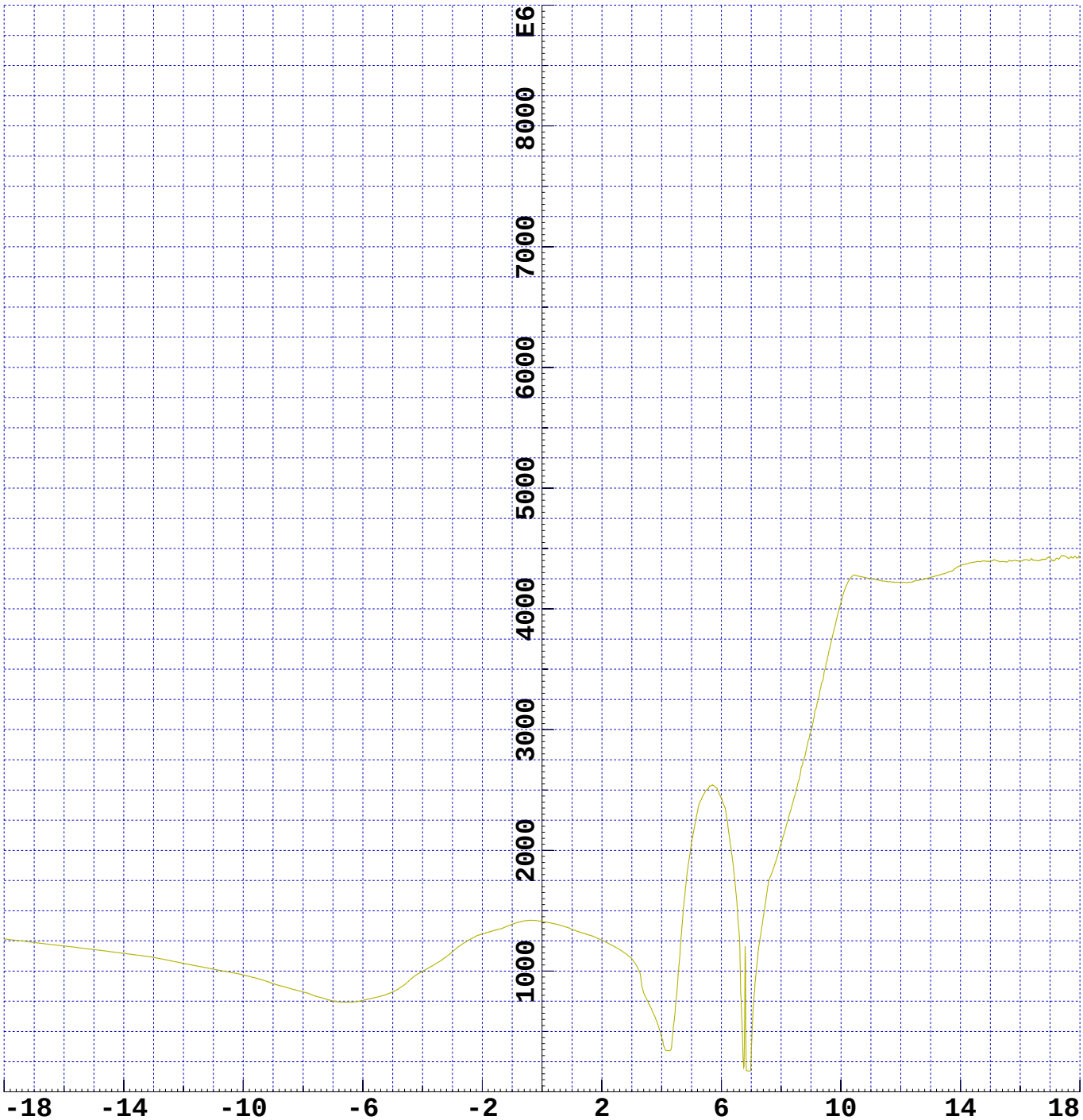


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

SIGMAr

Ident: kpfr_010

GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

SIGMAl

Ident: kpfr_010

GENSYS-KPF.1308

Radial Steering Index

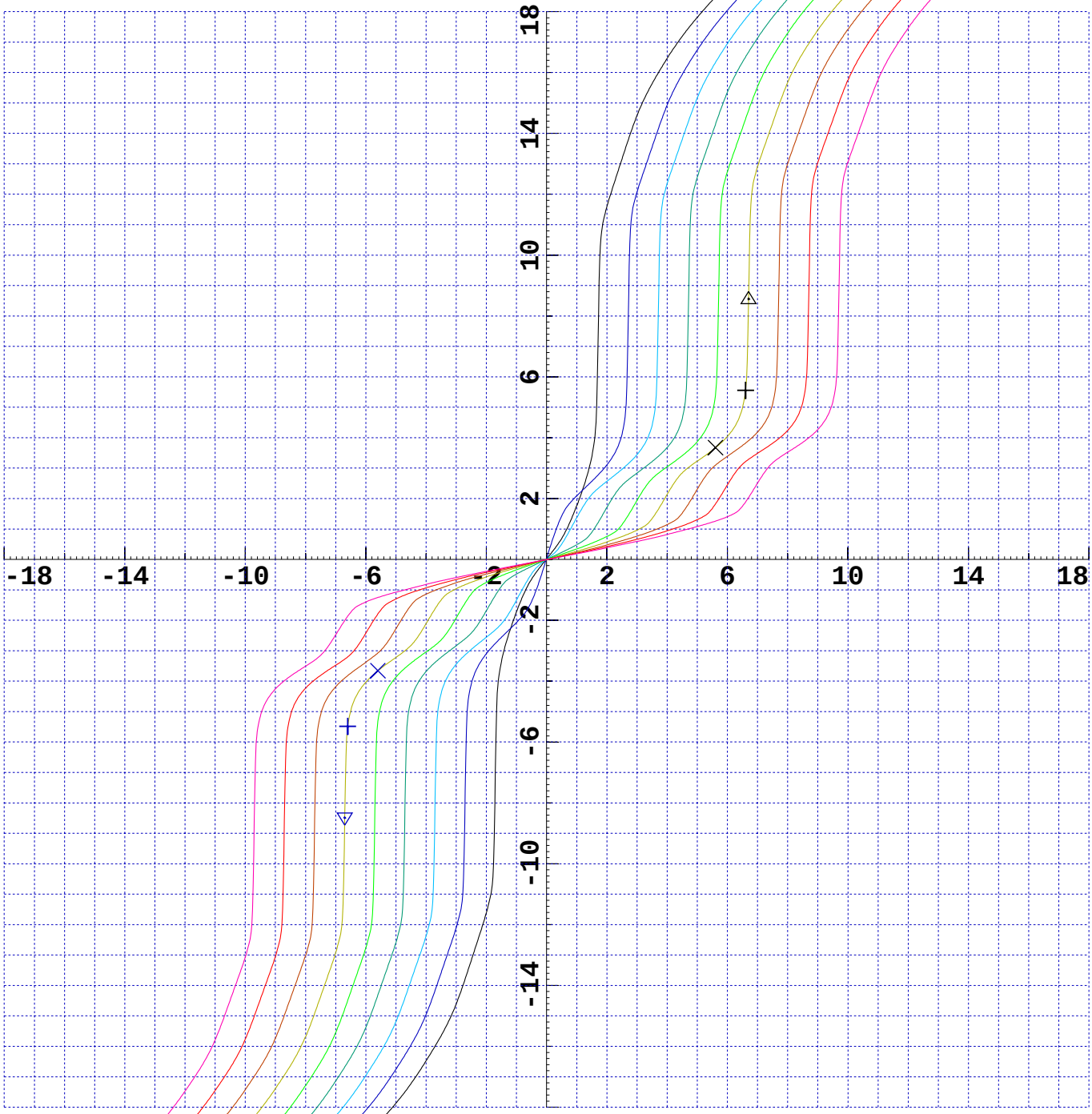
Gauge= 1425
1427
1429
1431
1433
1435
1437
1439
1441

× = Δr_E = 3.67 left curve
× = Δr_E = 3.66 right curve

+ = A0r = 6.60 5.56
+ = A0l = -6.60 -5.49

possibility of rolling without slip

discontinuity point



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

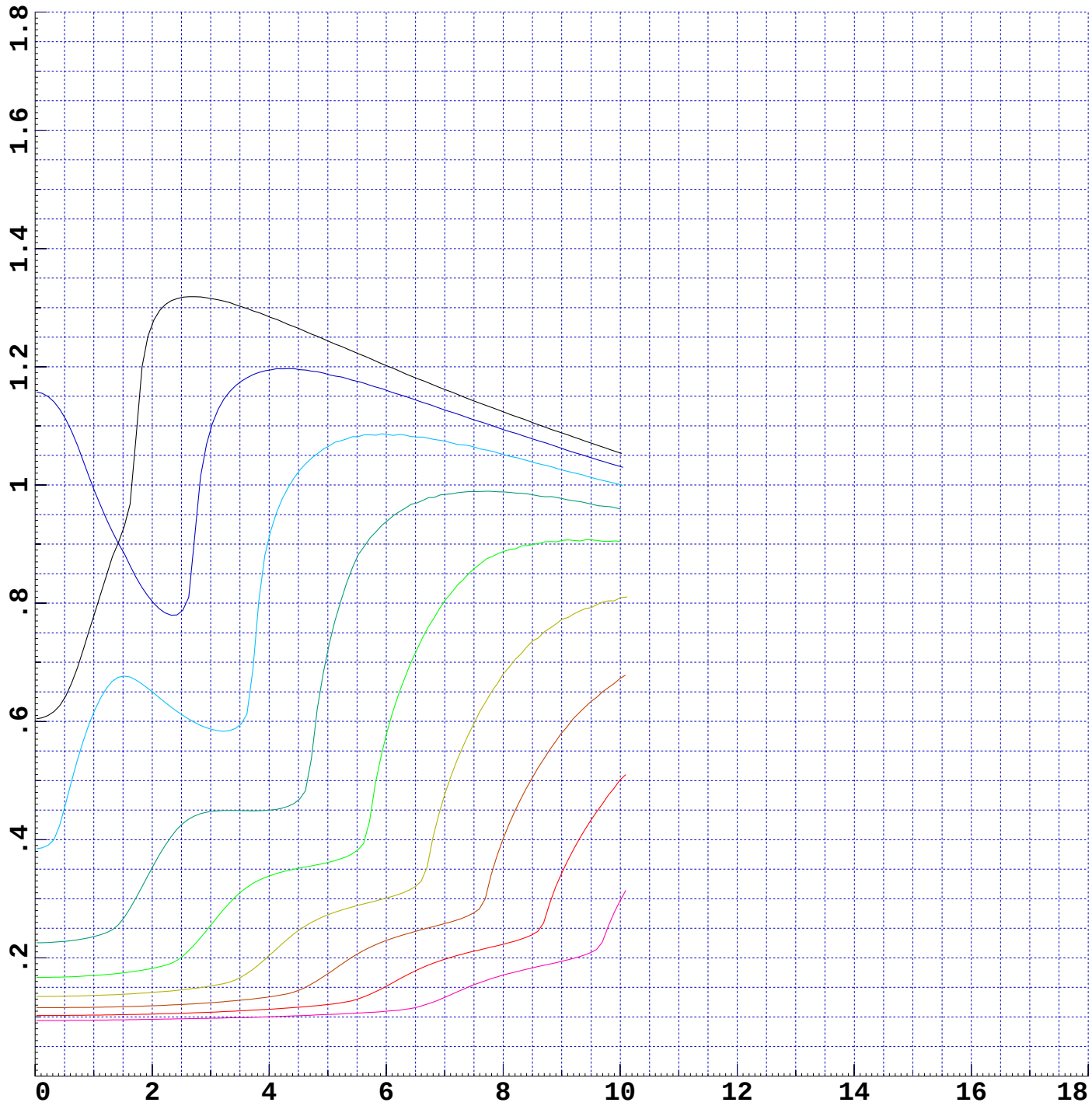
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

rr-rl

Ident: kpfr_010

GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge=	1425	.606	.639	1.271	1.315	1.284	1.202
	1427	1.156	1.115	.803	1.094	1.194	1.160
	1429	.386	.454	.650	.587	.912	1.085
	1431	.226	.228	.353	.448	.450	.938
	1433	.167	.168	.182	.255	.338	.577
	1435	.135	.135	.141	.152	.204	.301
	1437	.116	.116	.119	.124	.134	.229
	1439	.102	.103	.105	.108	.113	.152
	1441	.094	.094	.096	.098	.100	.110



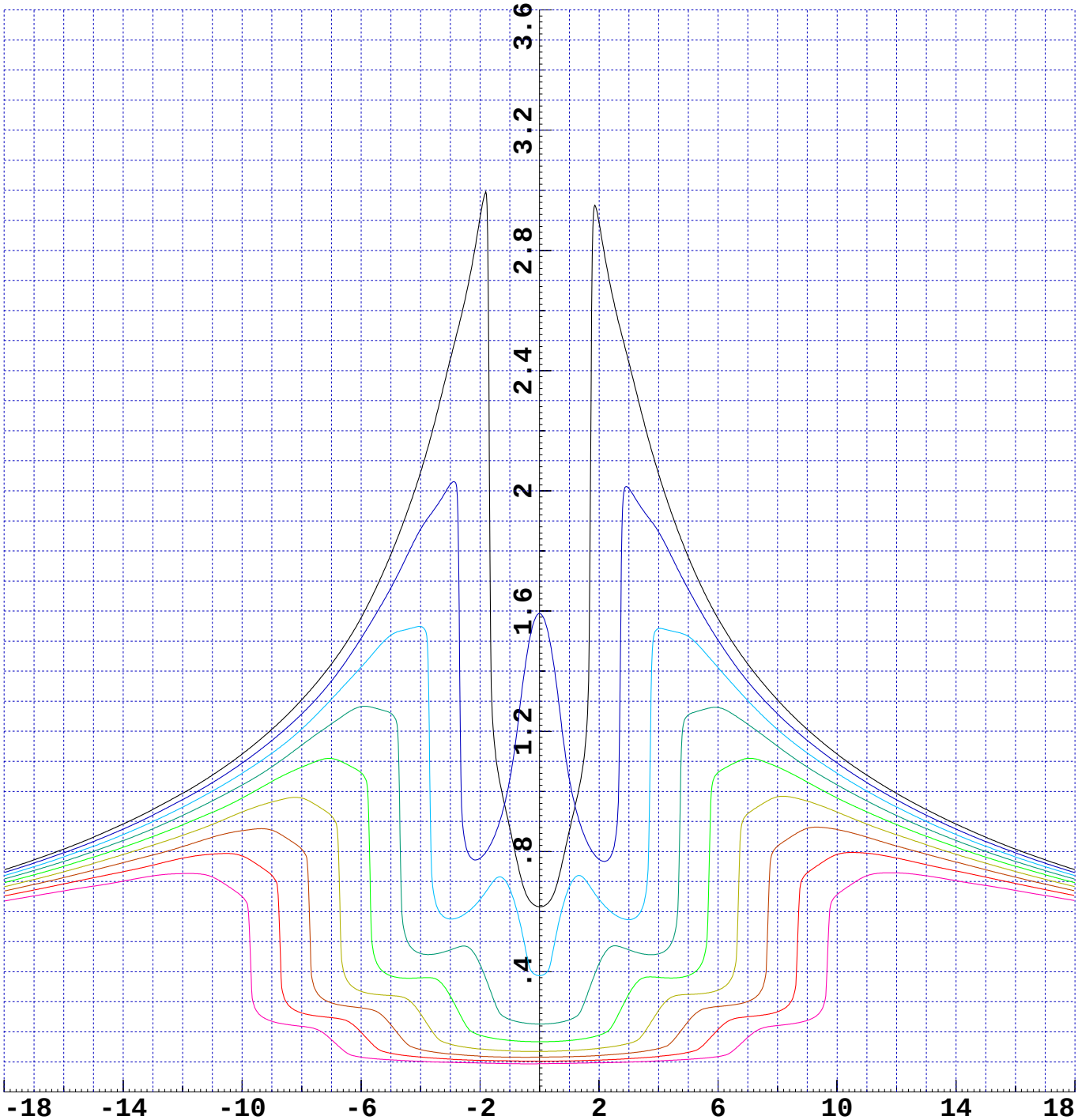
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

UIC519

Ident: kpfr_010

GENSYS-KPF.1308

Delta_Y=	.1	.5	2	3	4	6
Gauge= 1425	.617	.666	2.892	2.428	2.057	1.575
1427	1.583	1.404	.774	2.008	1.864	1.503
1429	.388	.494	.641	.573	1.542	1.412
1431	.226	.229	.426	.473	.459	1.279
1433	.167	.168	.189	.325	.381	1.063
1435	.135	.136	.145	.162	.271	.339
1437	.116	.116	.121	.129	.145	.284
1439	.102	.103	.106	.111	.118	.208
1441	.094	.095	.097	.099	.103	.118



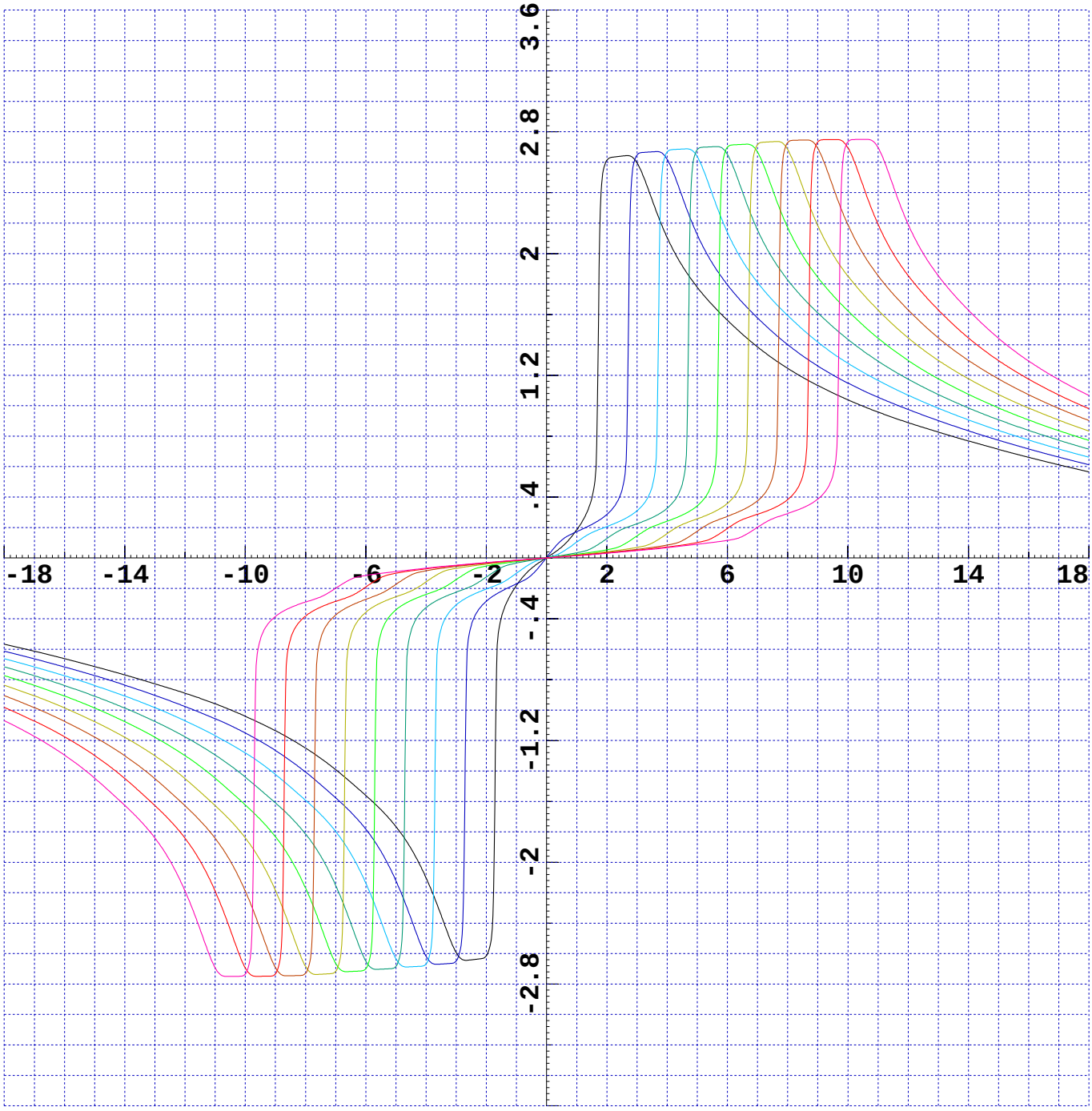
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

lambda

Ident: kpfr_010

GENSYS-KPF.1308

Gauge= 1425
1427
1429
1431
1433
1435
1437
1439
1441



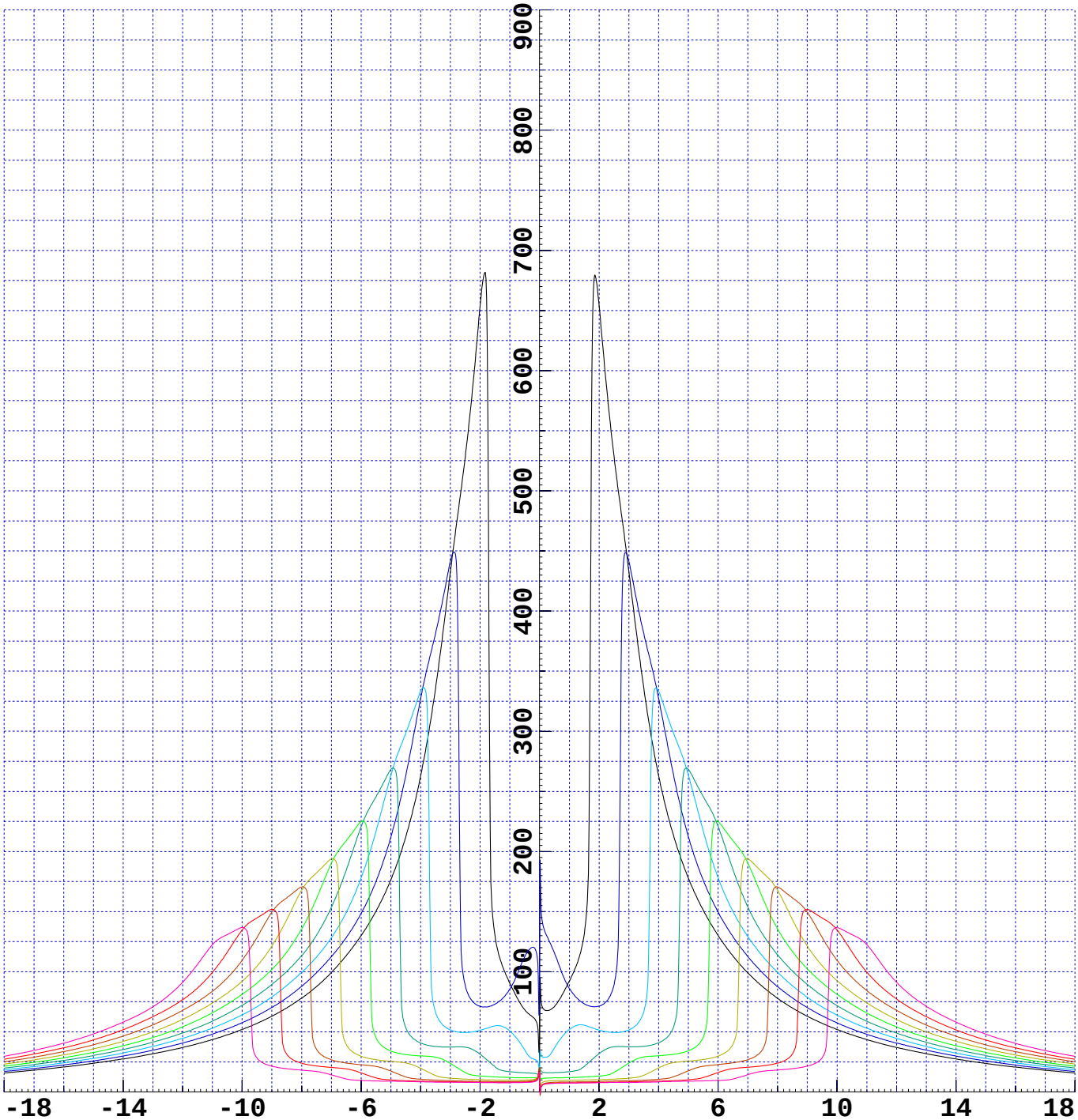
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

tan_Ga

Ident: kpfr_010

GENSYS-KPF.1308

Delta_Y=	.1	.5	2	3	4	6
Gauge= 1425	70.36	71.12	653.58	432.55	263.00	130.17
1427	140.68	115.64	71.48	441.30	327.38	149.60
1429	29.08	36.49	51.47	51.60	333.38	178.25
1431	16.46	16.09	31.93	37.53	40.83	220.94
1433	11.27	11.65	13.26	24.12	30.11	224.86
1435	7.85	9.28	10.21	11.46	19.99	29.82
1437	6.14	8.03	8.72	9.35	10.54	22.77
1439	5.77	7.37	7.97	8.41	9.01	16.12
1441	5.78	7.19	7.71	7.98	8.41	9.57



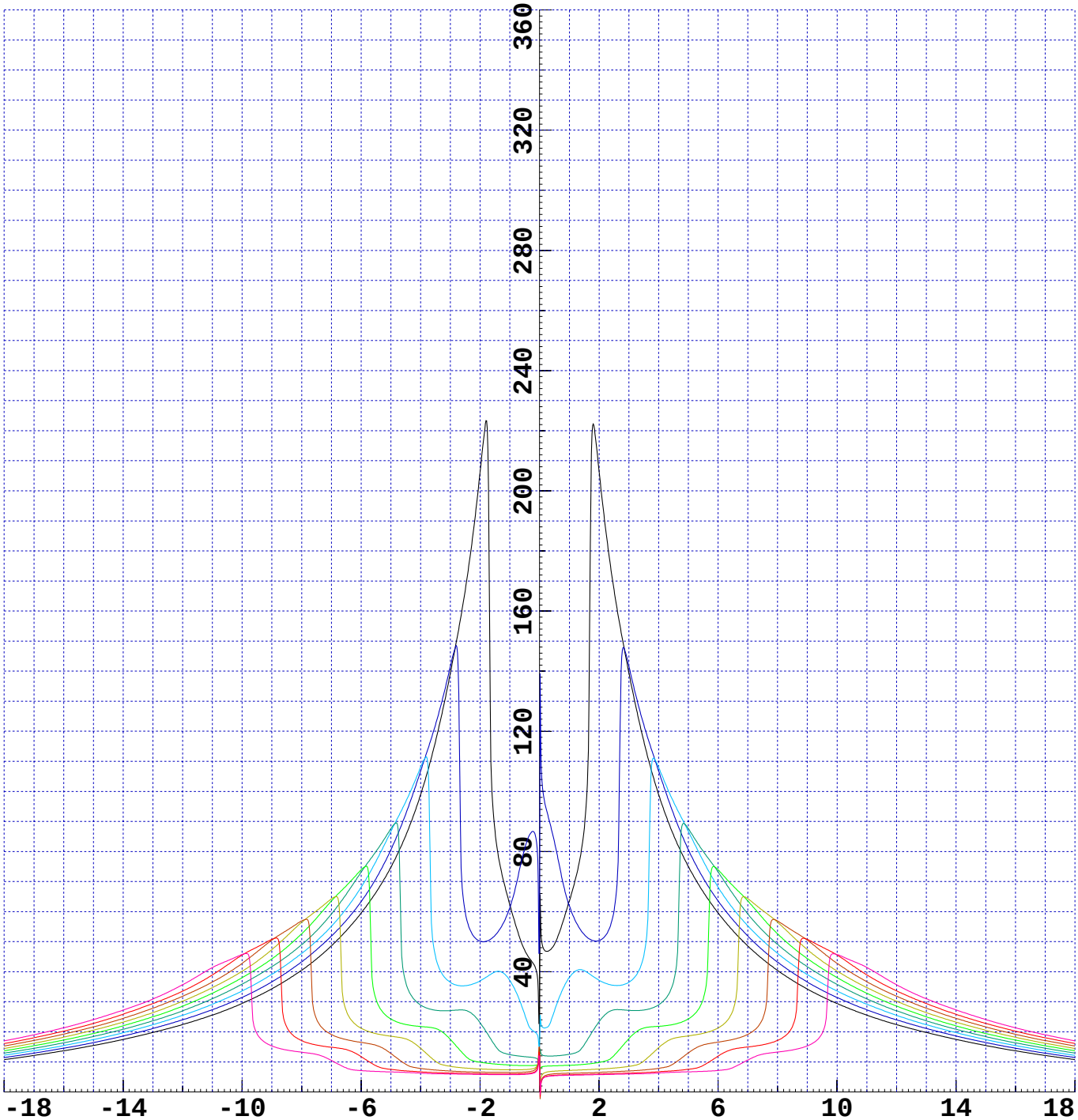
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

KAPPA

Ident: kpfr_010

GENSYS-KPF.1308

Delta_Y=	.1	.5	2	3	4	6
Gauge= 1425	48.61	49.09	206.27	139.42	98.96	59.54
1427	101.32	83.25	50.35	141.65	106.77	63.54
1429	21.50	26.92	37.15	36.51	108.03	68.15
1431	12.22	11.95	23.45	27.16	28.97	73.19
1433	8.39	8.67	9.85	17.75	21.84	73.97
1435	5.86	6.92	7.61	8.52	14.74	21.26
1437	4.59	5.99	6.51	6.97	7.85	16.58
1439	4.31	5.51	5.96	6.28	6.73	11.91
1441	4.32	5.38	5.76	5.97	6.29	7.14



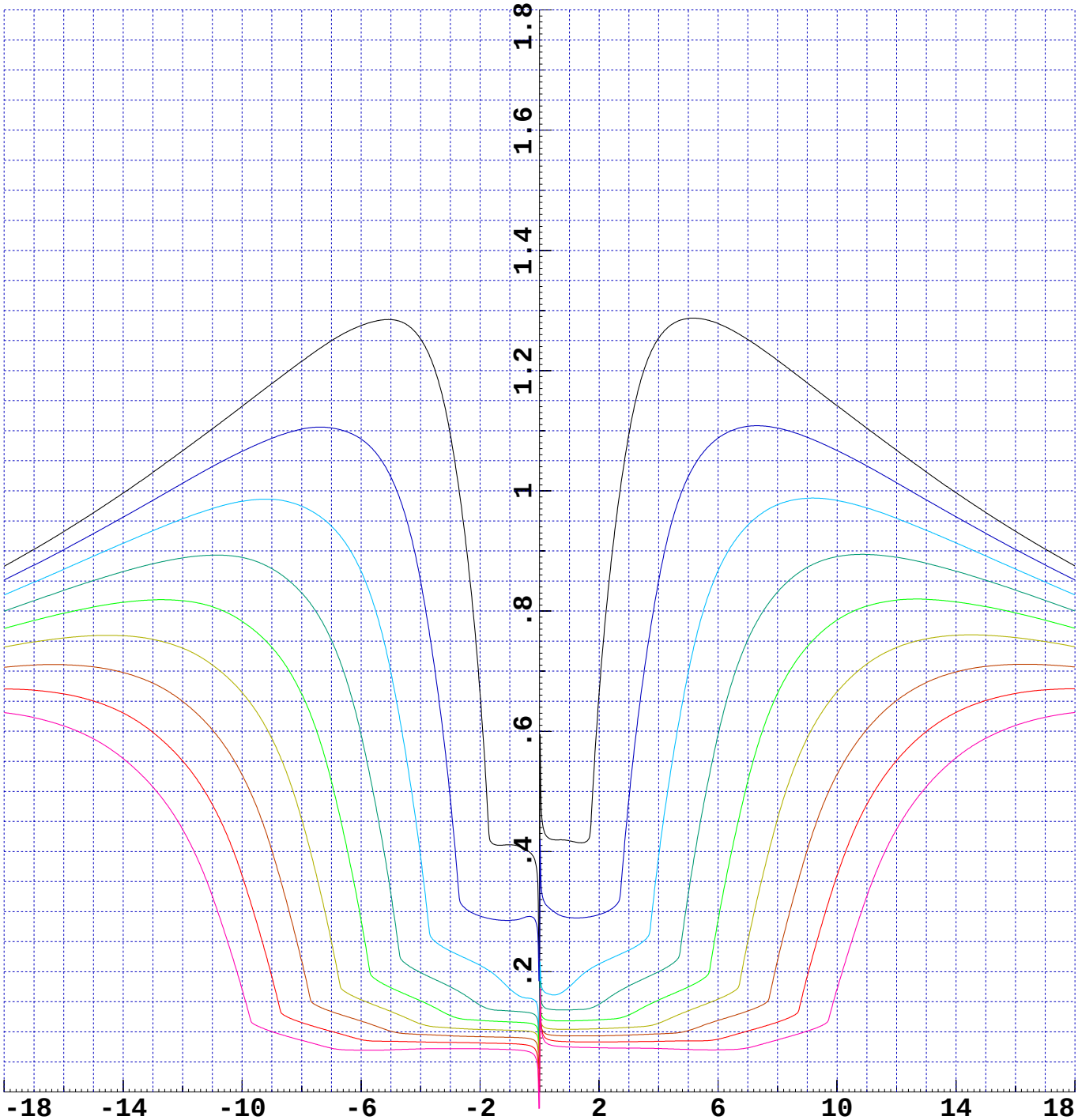
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

EPS

Ident: kpfr_010

GENSYS-KPF.1308

Delta_Y=	.1	.5	2	3	4	6
Gauge= 1425	.45	.42	.66	1.09	1.25	1.28
1427	.33	.30	.30	.49	.85	1.09
1429	.17	.16	.21	.24	.39	.87
1431	.14	.14	.15	.18	.20	.59
1433	.12	.12	.12	.13	.15	.29
1435	.11	.10	.11	.11	.11	.15
1437	.10	.09	.09	.09	.10	.12
1439	.10	.08	.08	.08	.08	.09
1441	.09	.08	.07	.07	.07	.07



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC010_l.short.rail Right rail: r_prof/SEC010_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

RollAC

Ident: kpfr_010