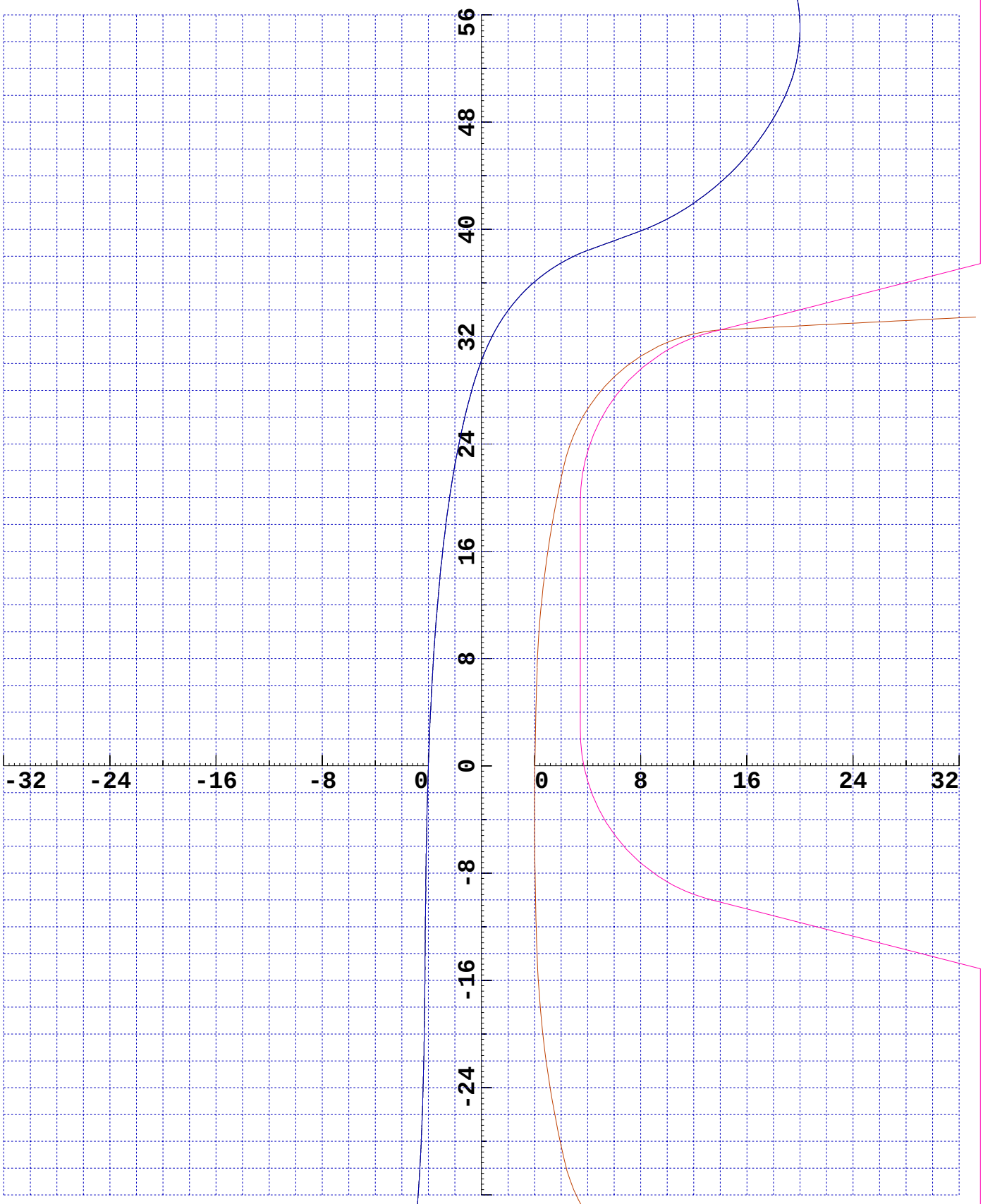
GENSYS-KPF.1308

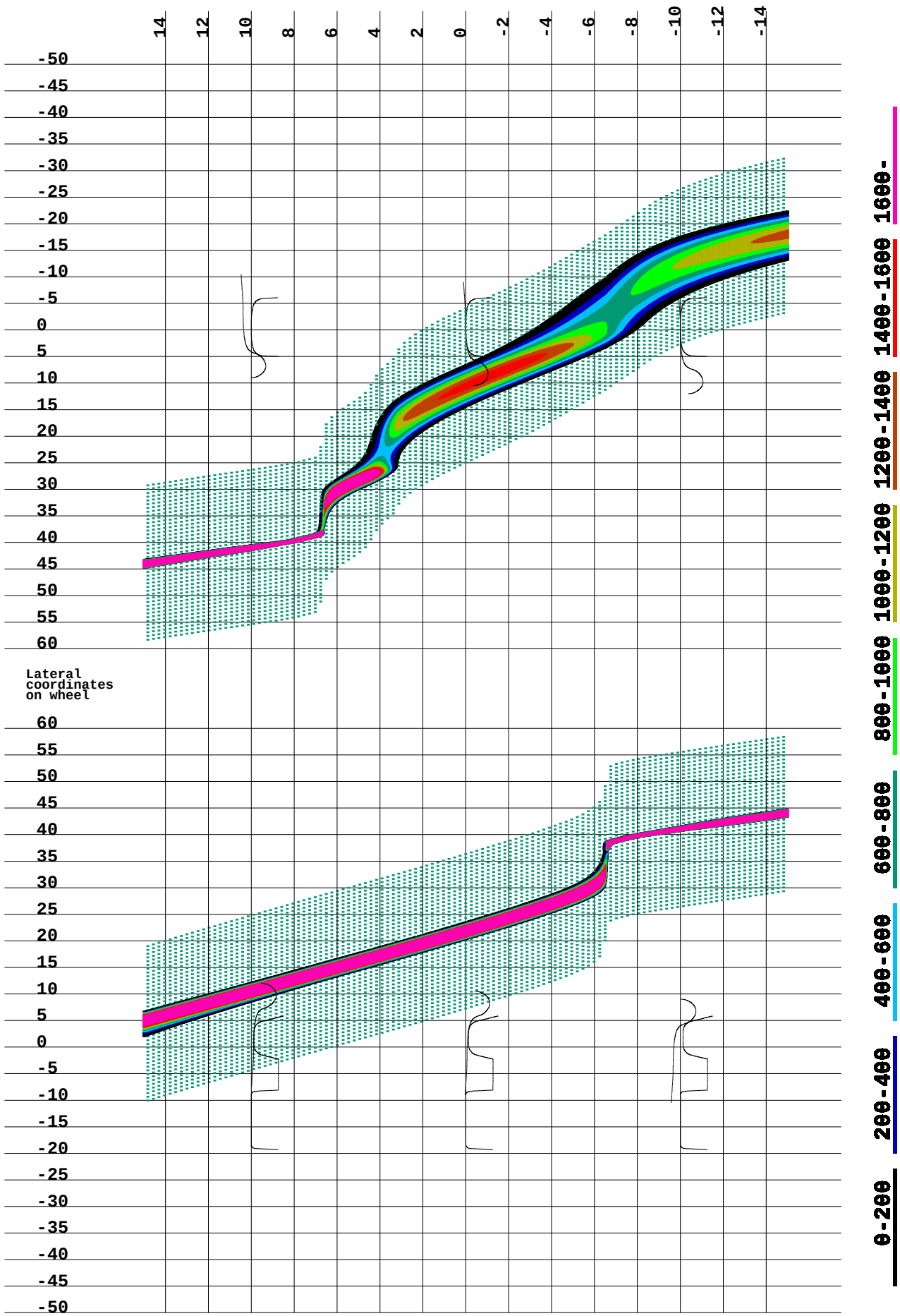


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

WRGEOM

Ident: kpfr_022

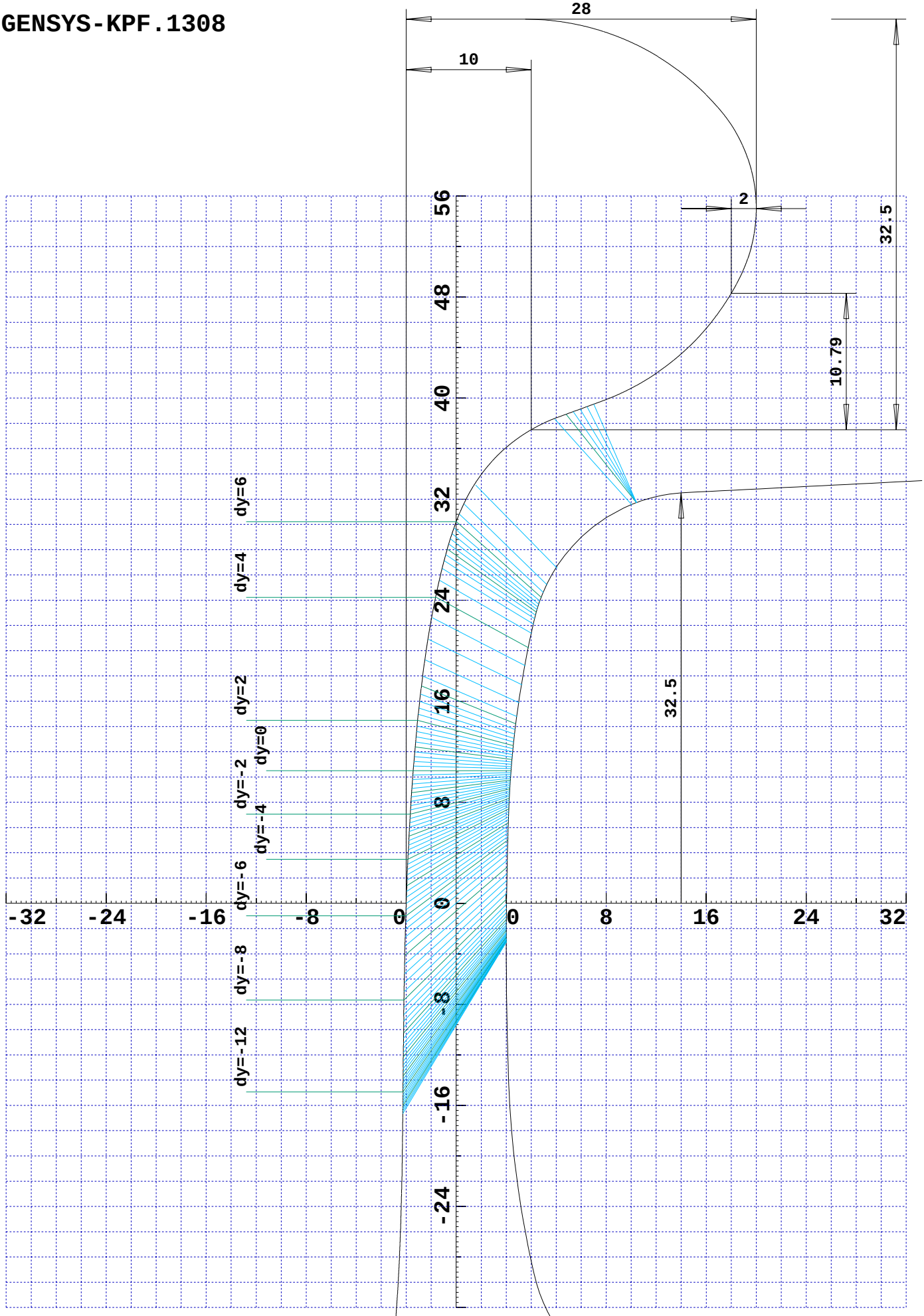
GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.sho
Wprof_lat_shift= 0 Gauge= 1425-1441

Contact Pressure

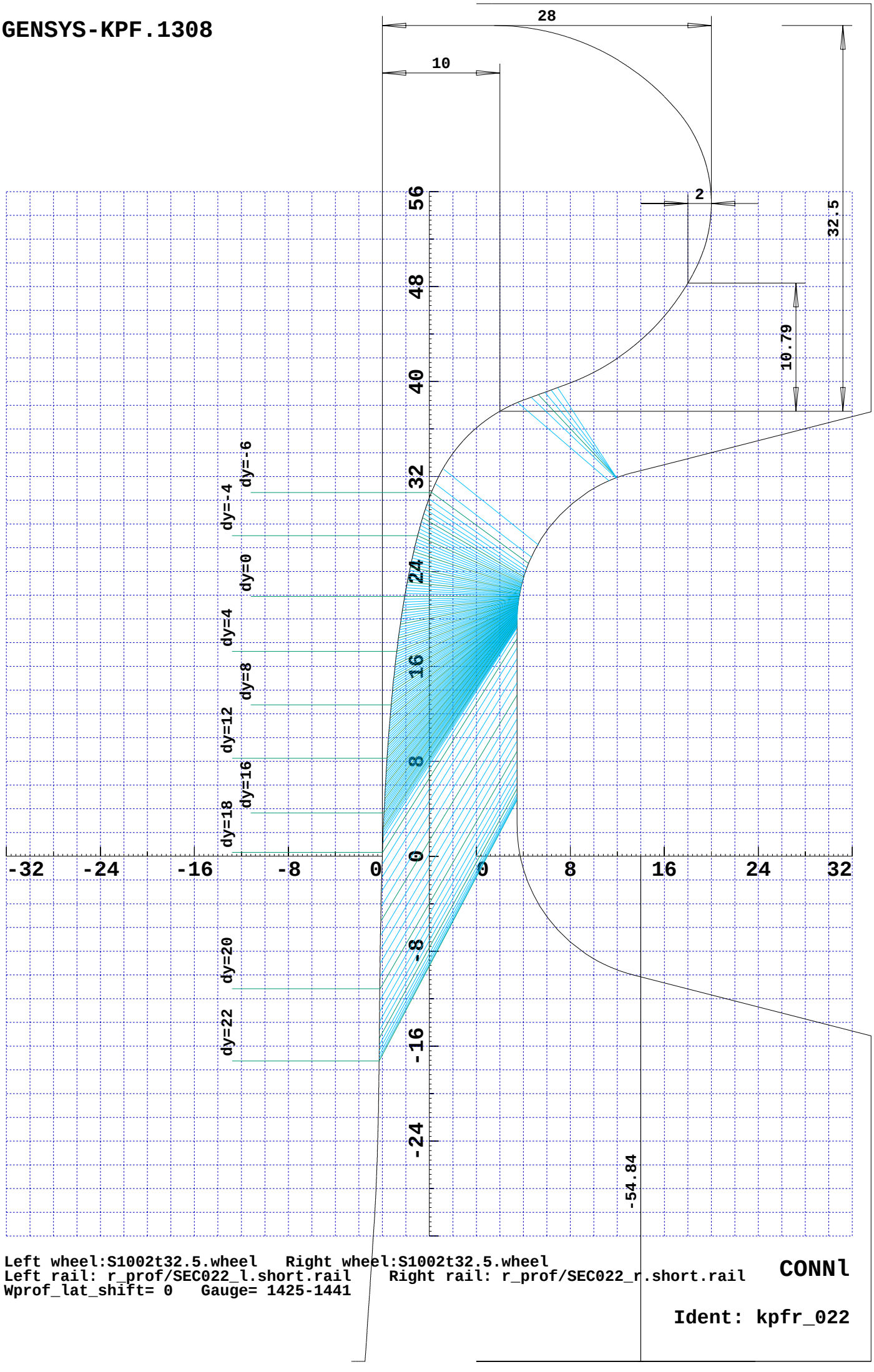
GENSYS-KPF.1308

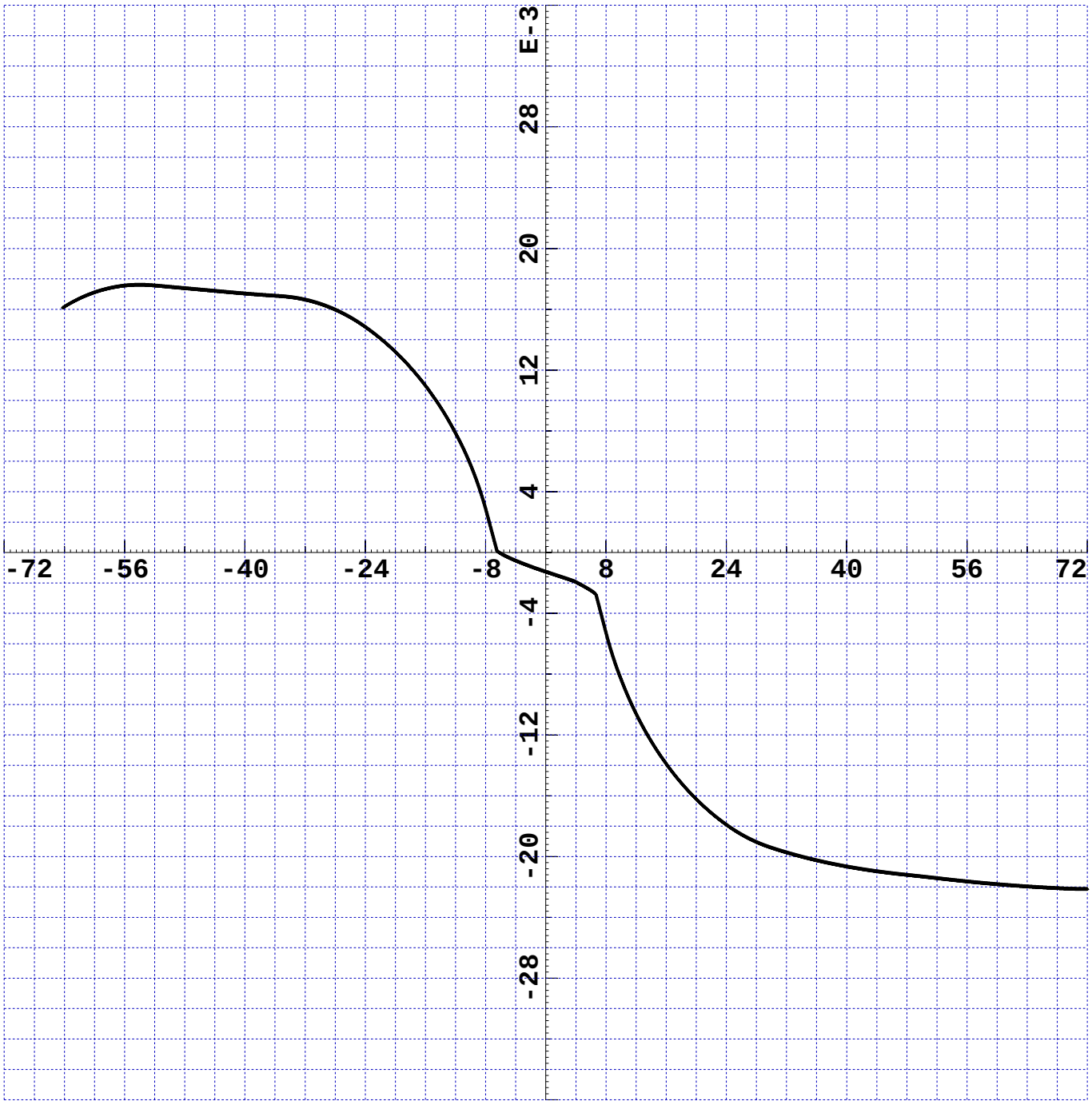


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

CONNr

Ident: kpfr_022


GENSYS-KPF.1308
28
10
2
32.5
10.79
dy=-6
dy=-4
dy=0
dy=4
dy=8
dy=12
dy=16
dy=18
dy=20
dy=22
56
48
40
32
24
16
8
0
-8
-16
-24
-32
-24
-16
-8
0
0
8
16
24
32
-54.84
Left wheel:S1002t32.5.wheel
Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail
Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0
Gauge= 1425-1441
CONNl
Ident: kpfr_022

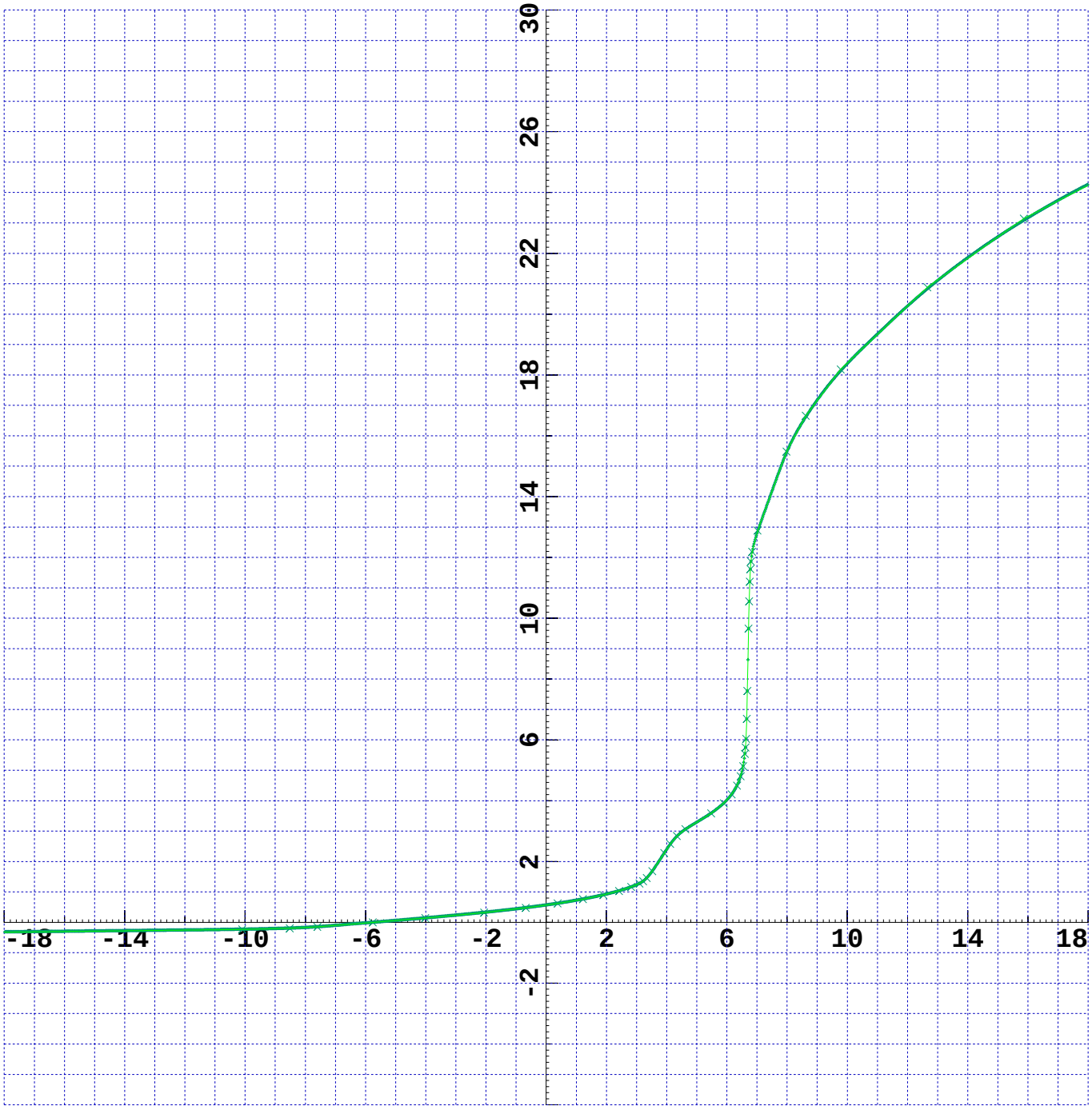


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

FIaxl

Ident: kpfr_022

GENSYS-KPF.1308

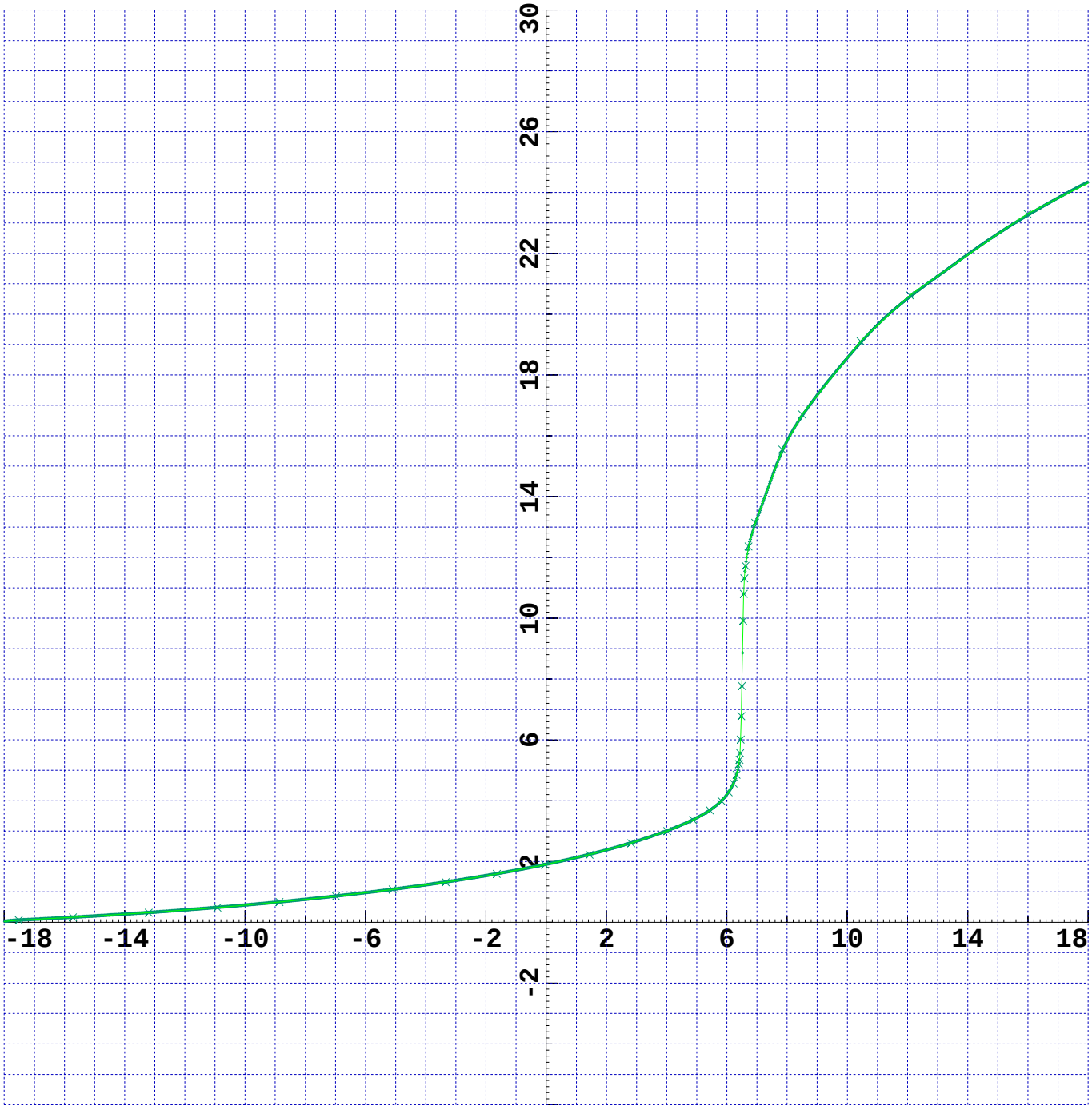


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

DRFNr

Ident: kpfr_022

GENSYS-KPF.1308

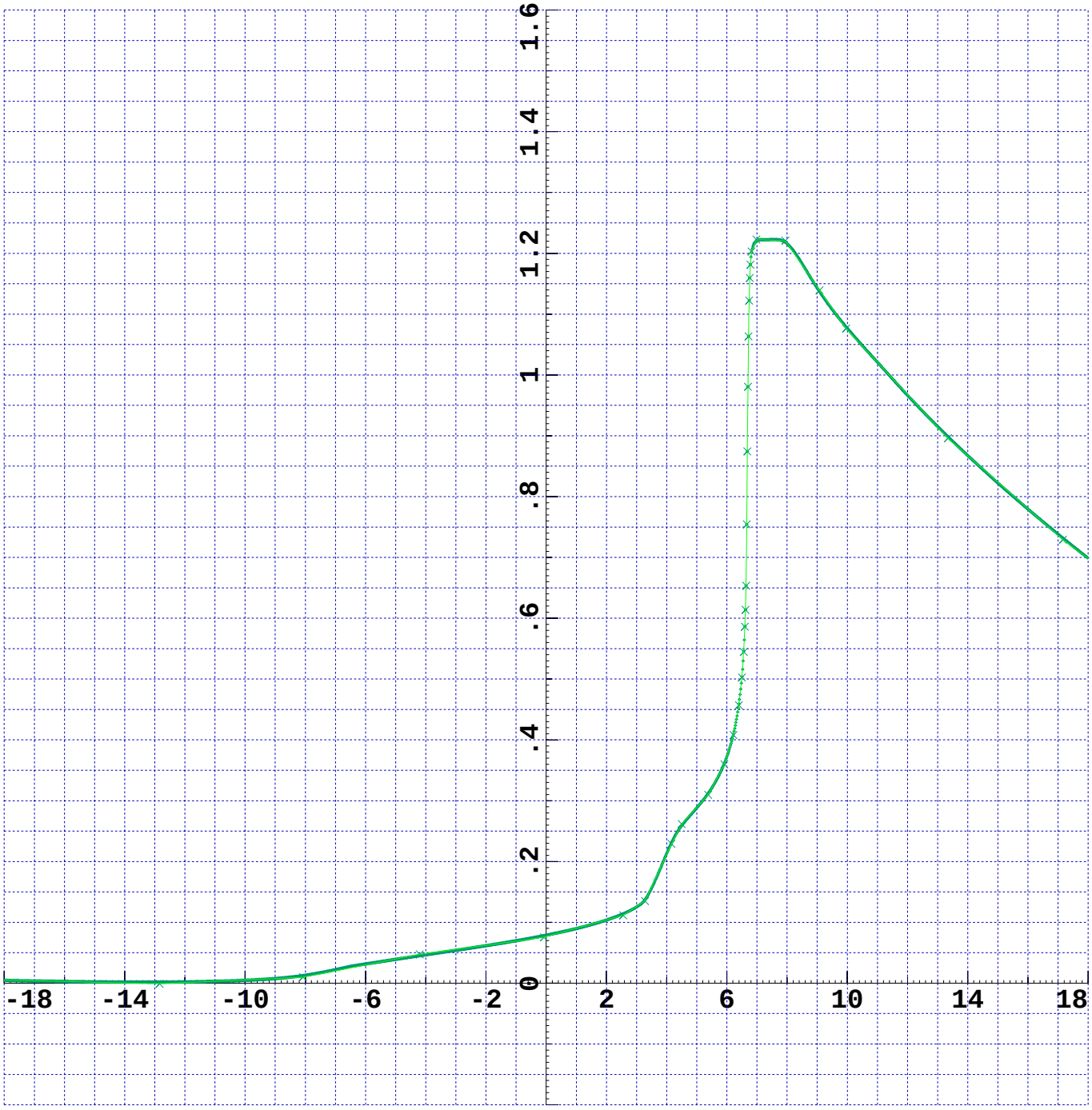


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

DRFNl

Ident: kpfr_022

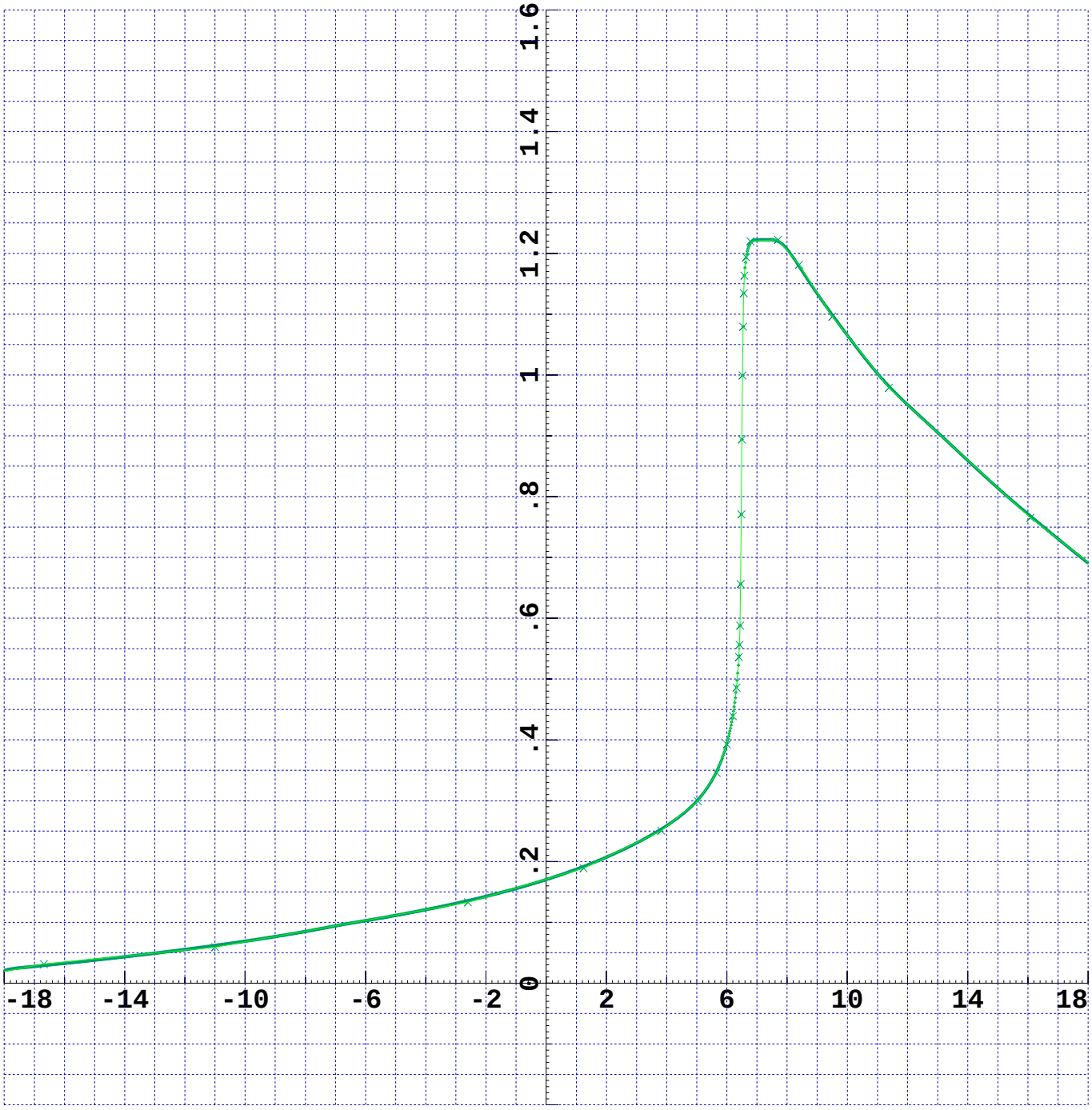
GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

GAMFNr

Ident: kpfr_022

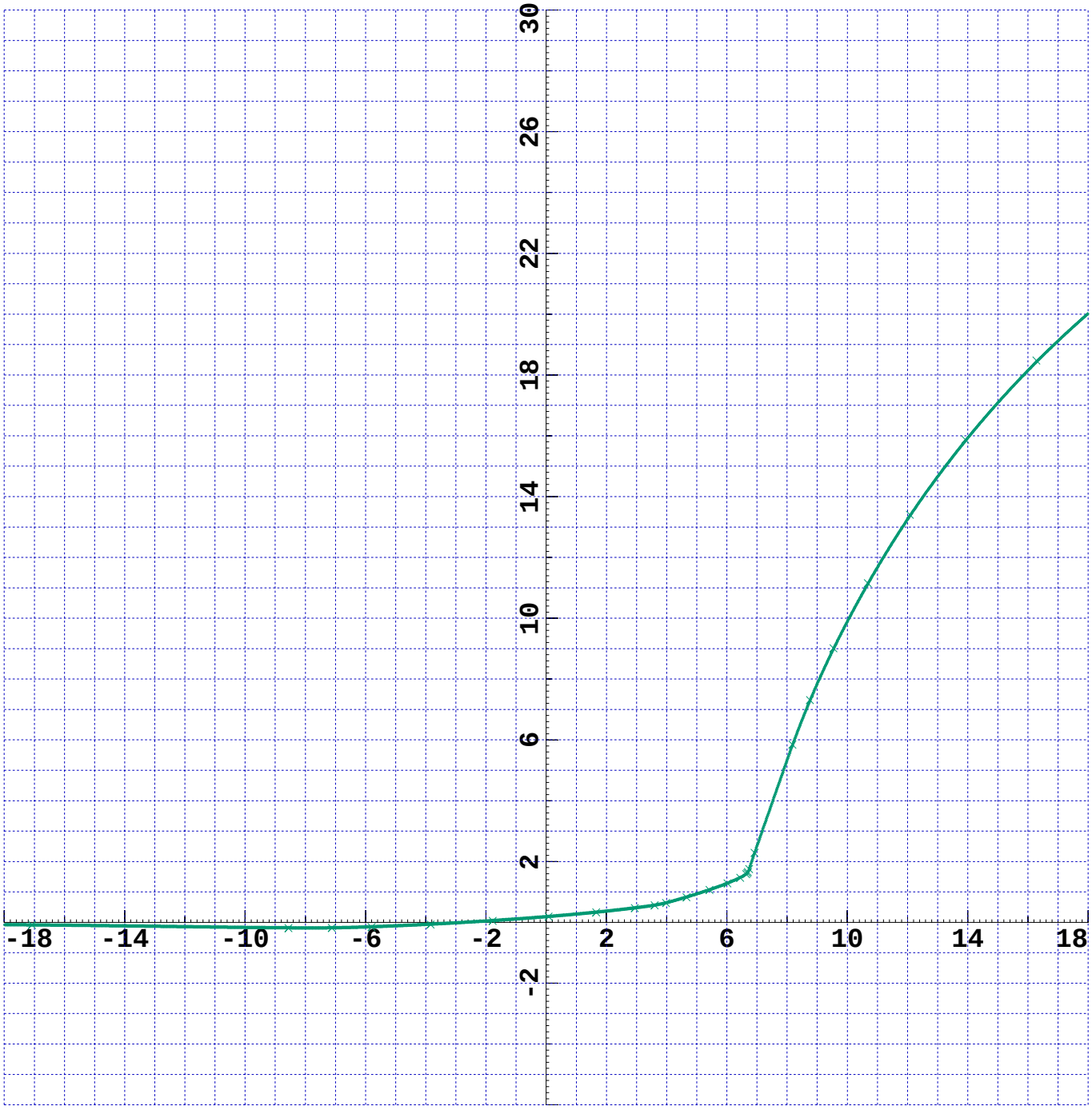


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

GAMFNl

Ident: kpfr_022

GENSYS-KPF.1308

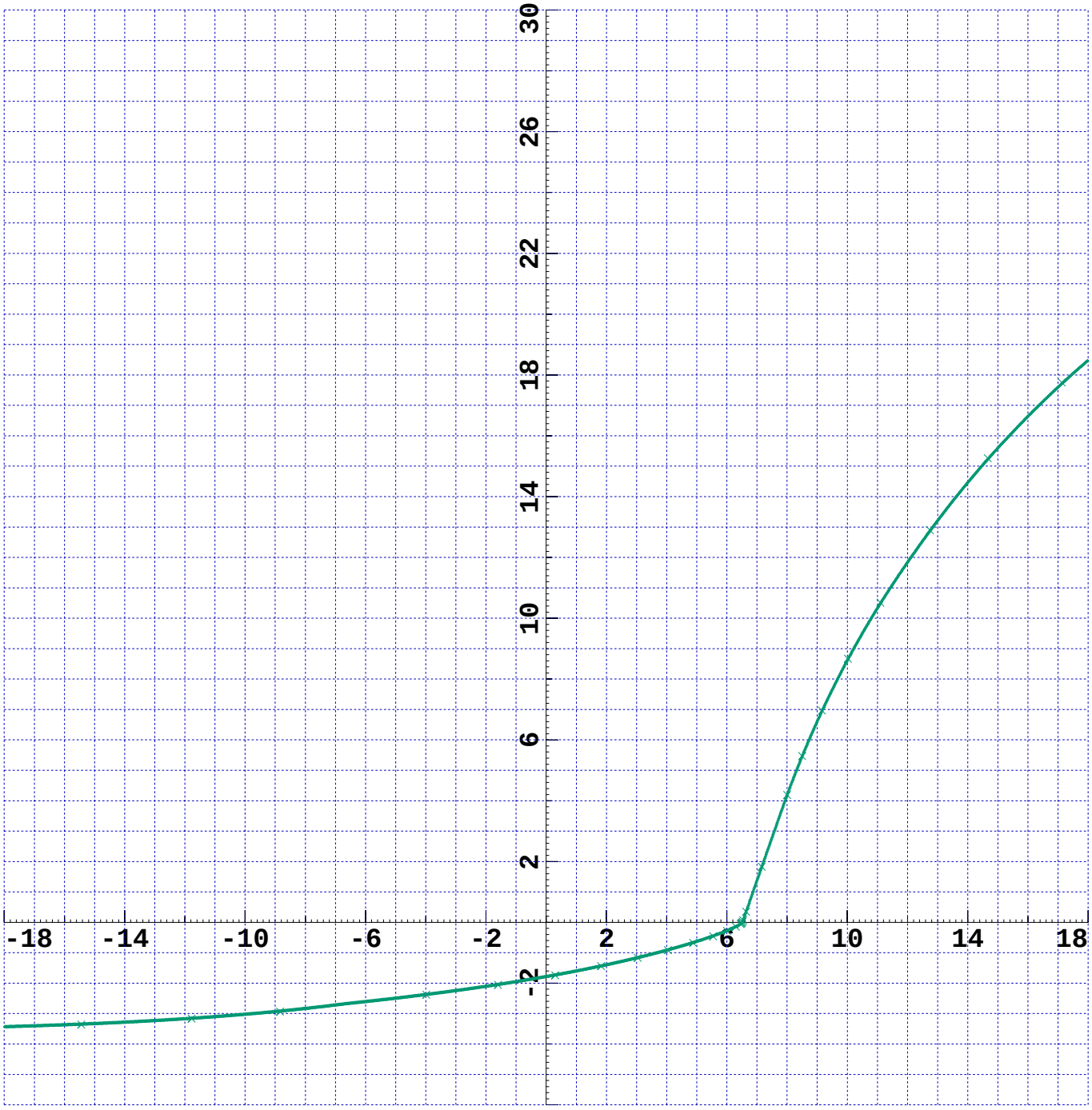


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZFNr

Ident: kpfr_022

GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZFNl

Ident: kpfr_022

GENSYS-KPF.1308

Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ROFNr

Ident: kpfr_022

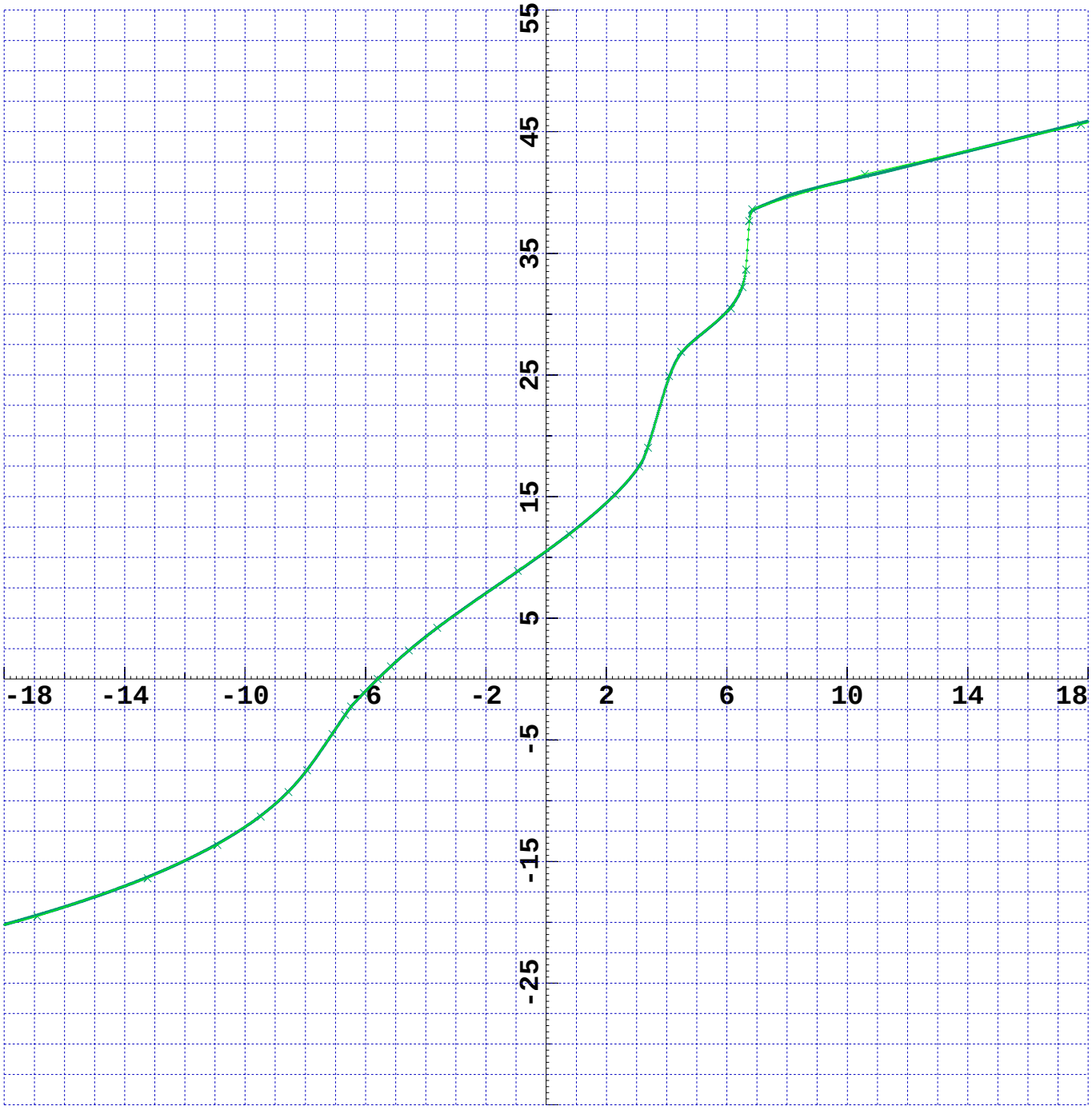
GENSYS-KPF.1308

Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ROFNl

Ident: kpfr_022

GENSYS-KPF.1308

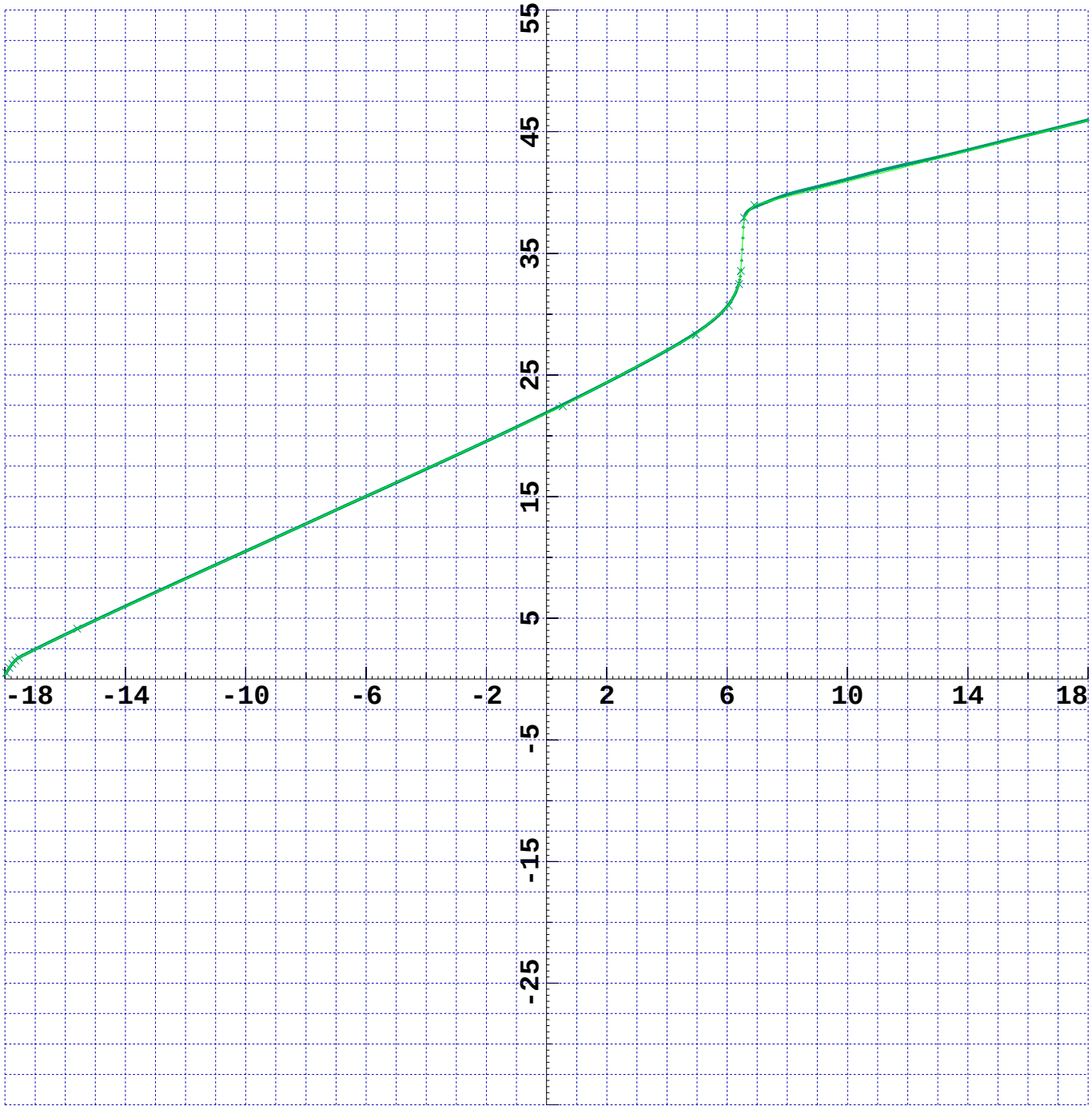


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

POSWr

Ident: kpfr_022

GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

POSWl

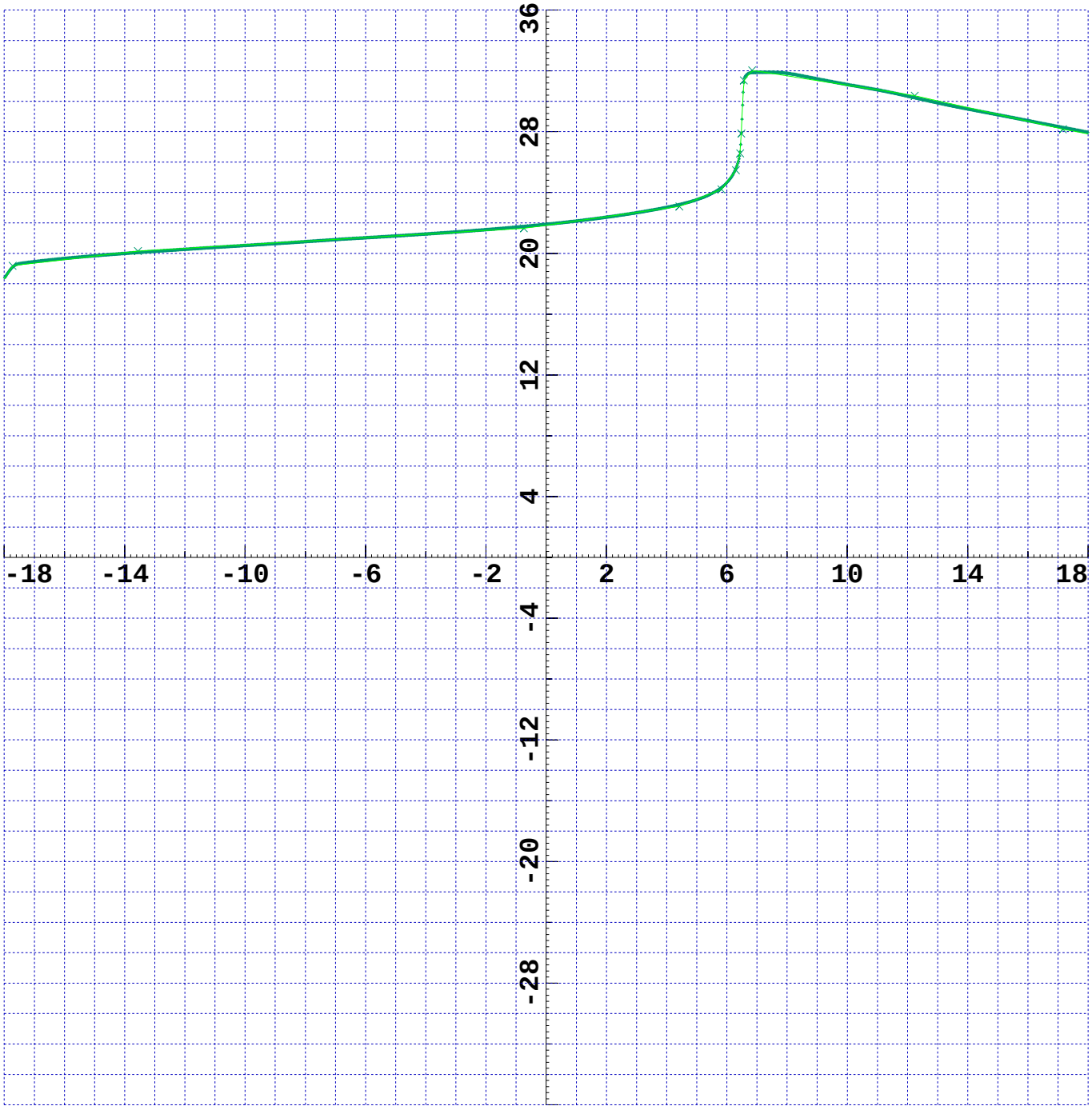
Ident: kpfr_022

Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

POSRr

Ident: kpfr_022

GENSYS-KPF.1308

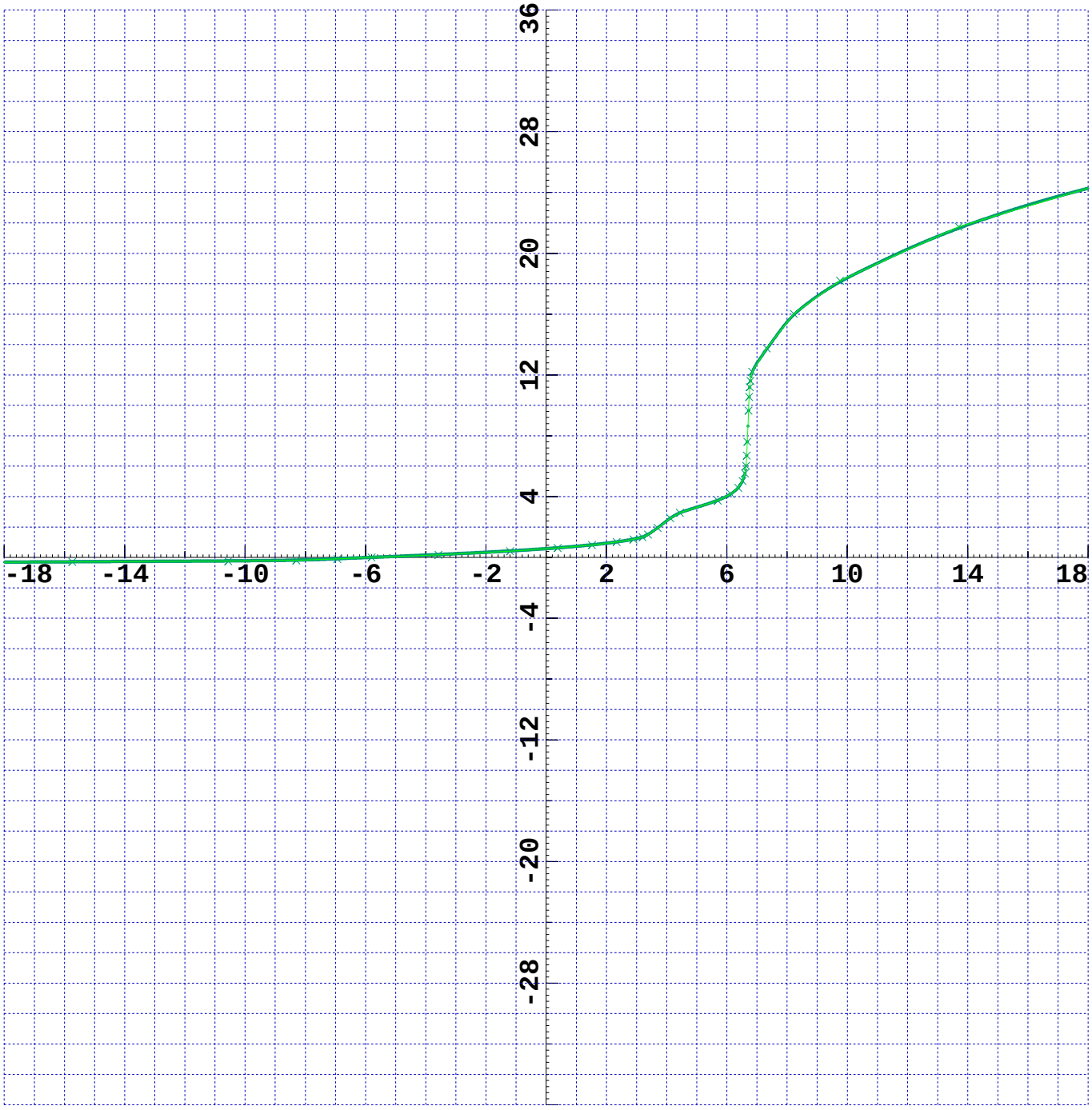


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

POSRl

Ident: kpfr_022

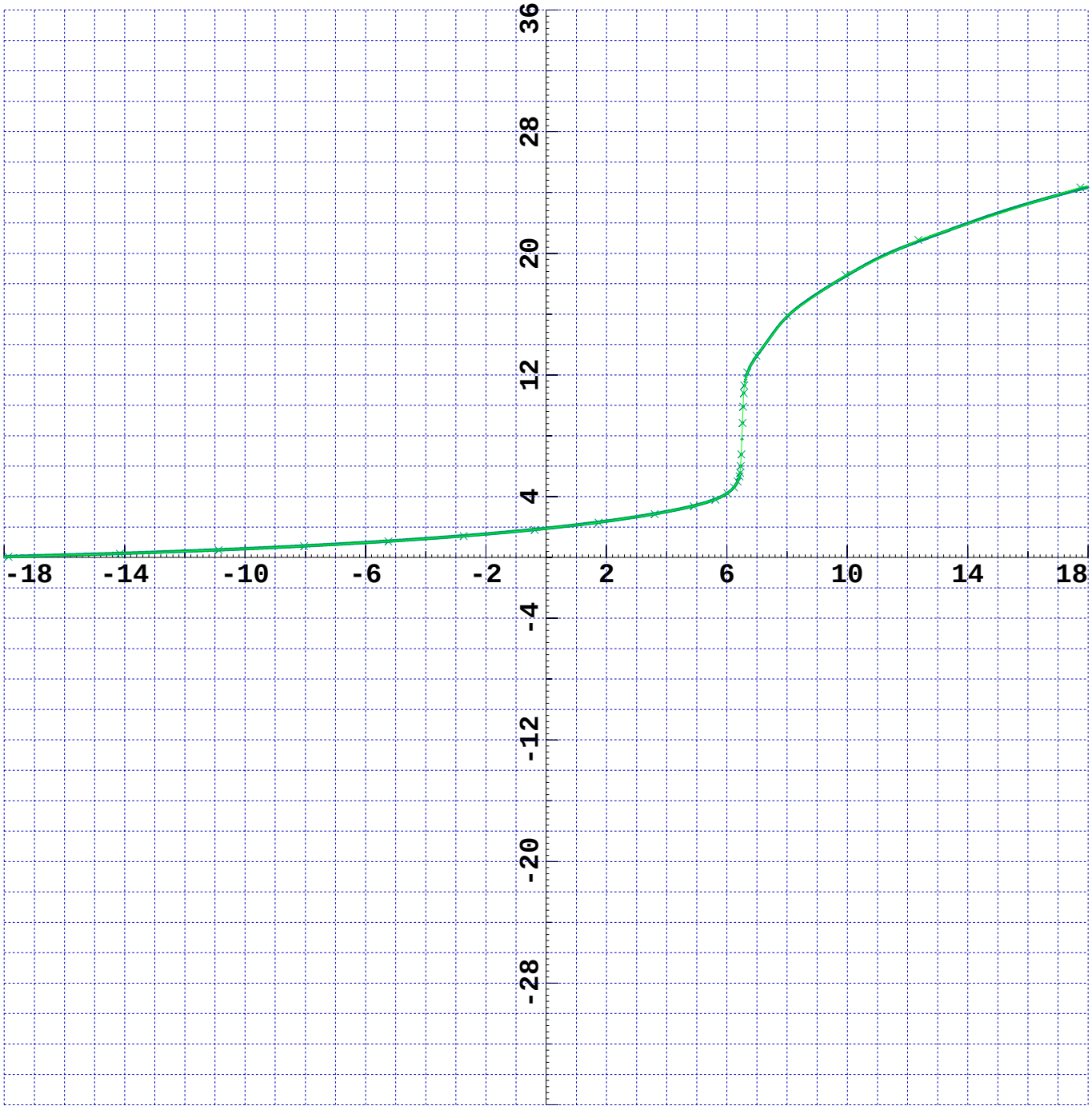
GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZWr

Ident: kpfr_022

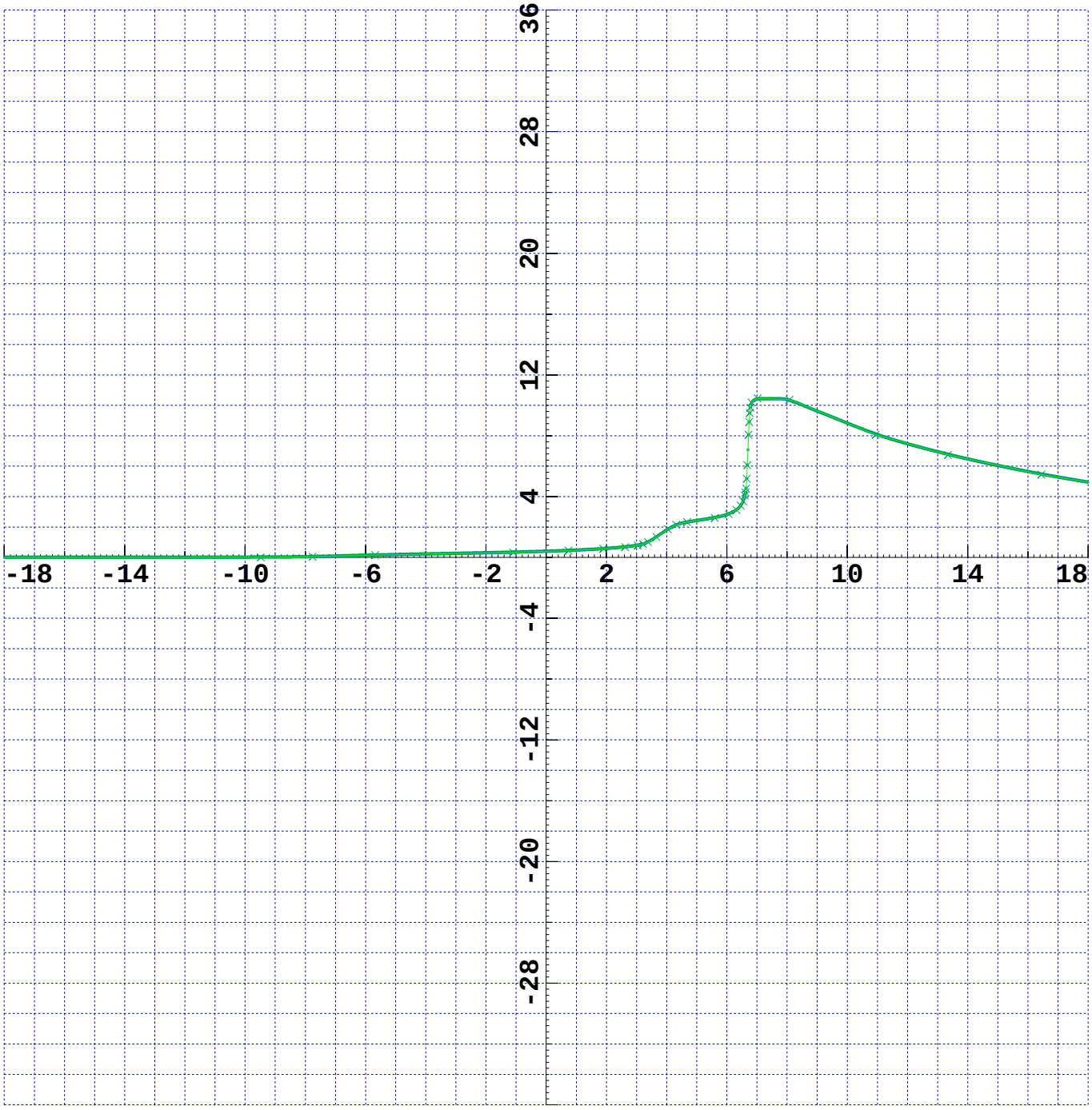


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZWl

Ident: kpfr_022

GENSYS-KPF.1308

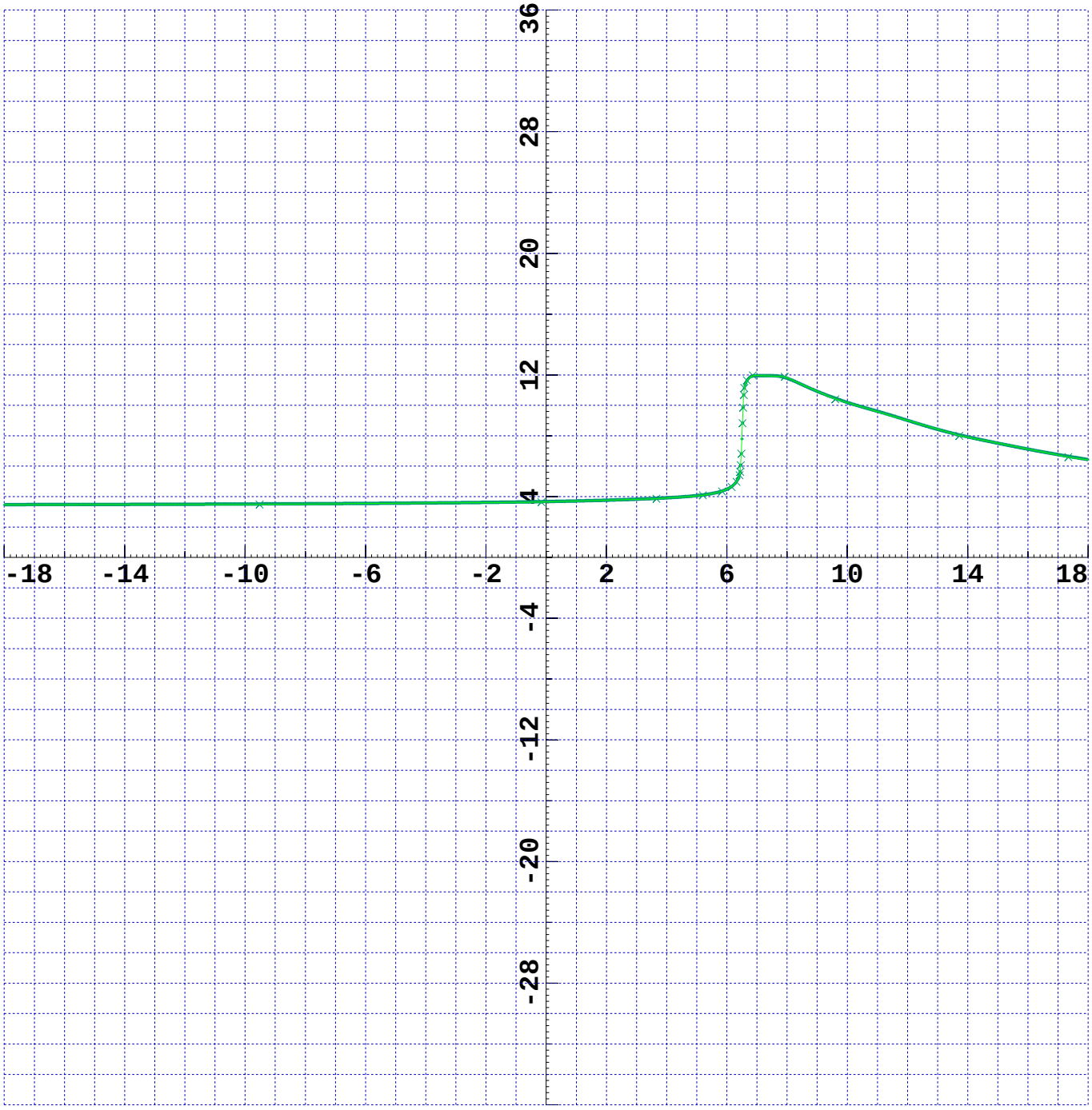


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZRr

Ident: kpfr_022

GENSYS-KPF.1308

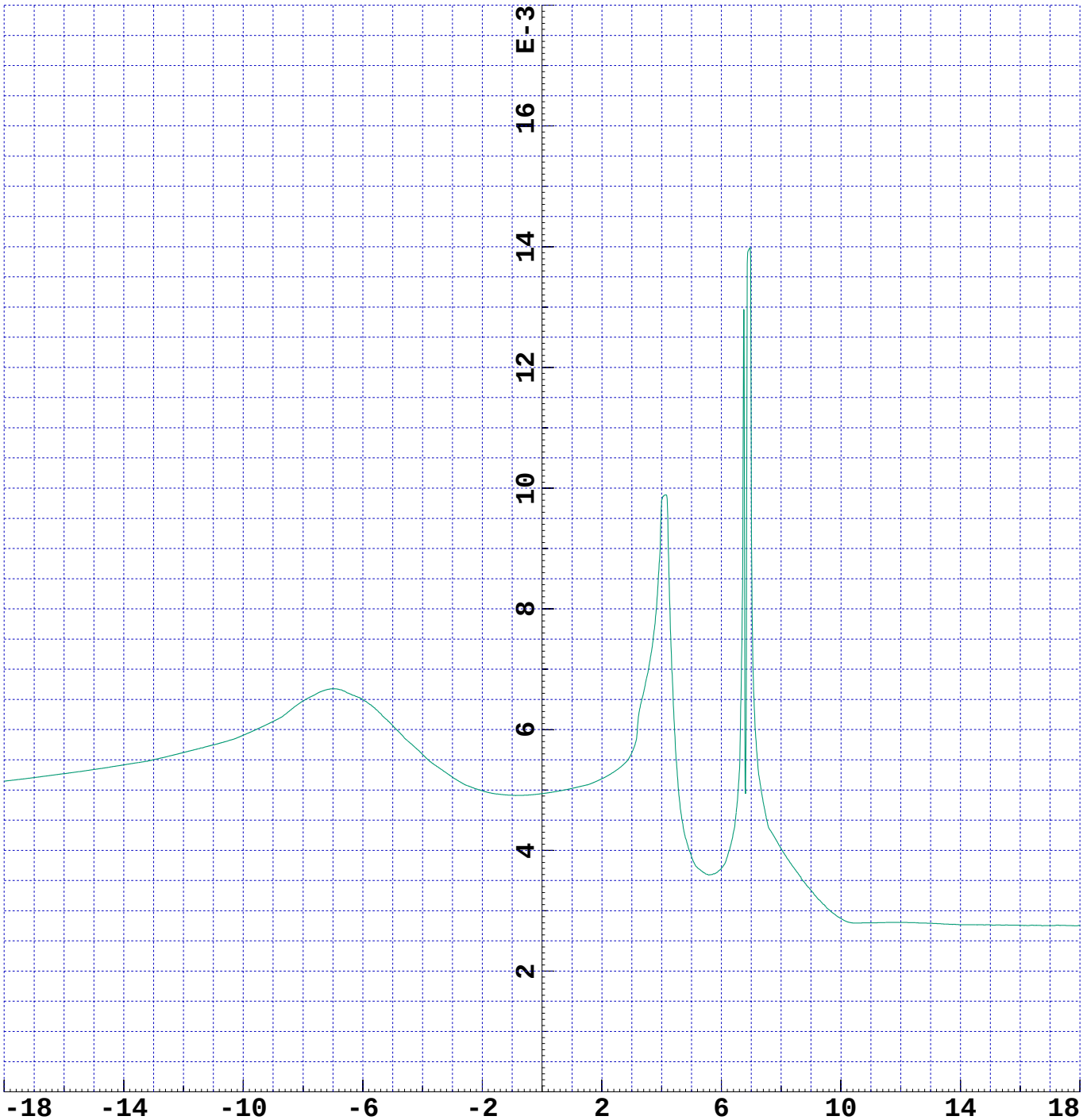


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZRl

Ident: kpfr_022

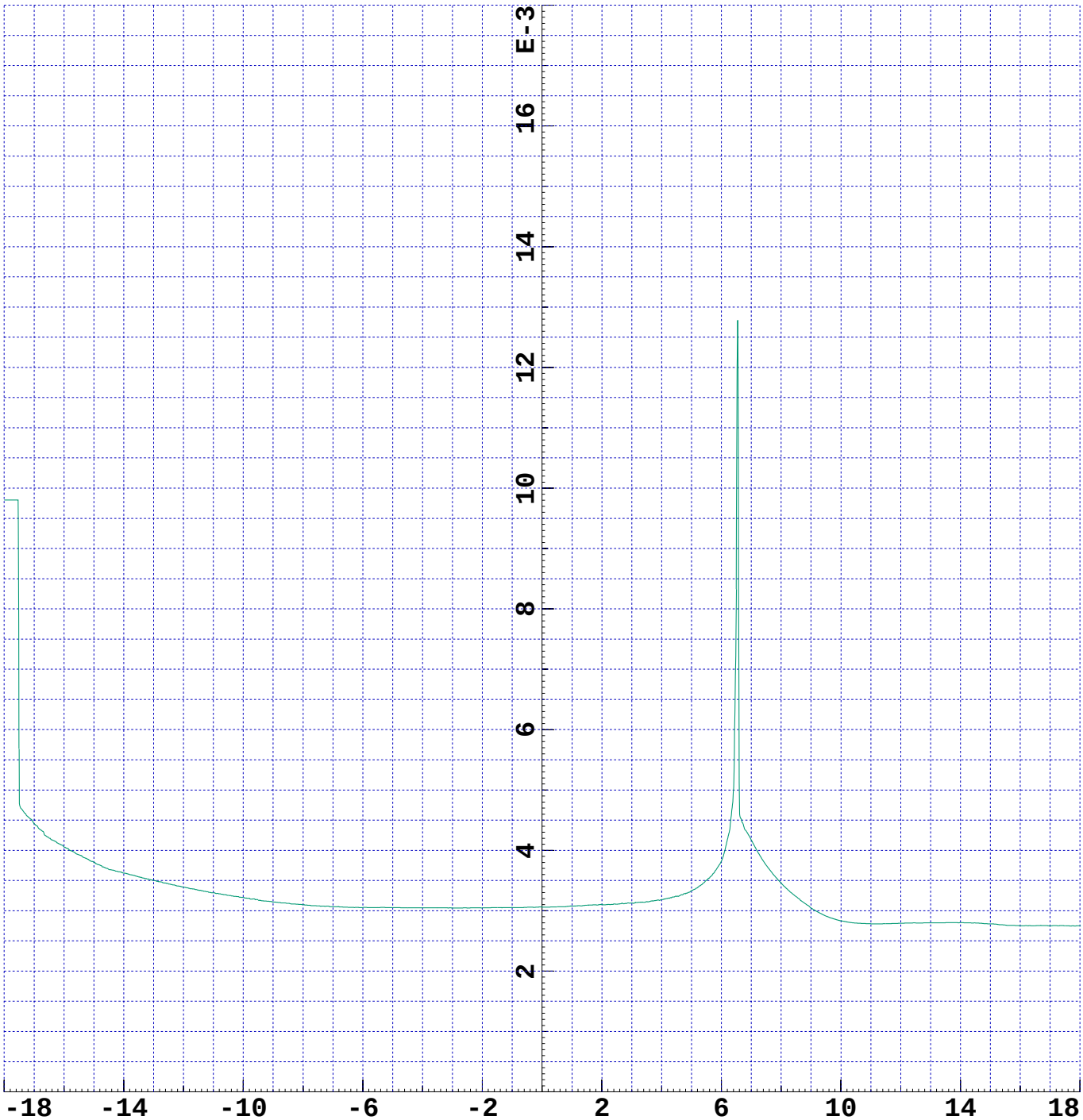
GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

C_r

Ident: kpfr_022

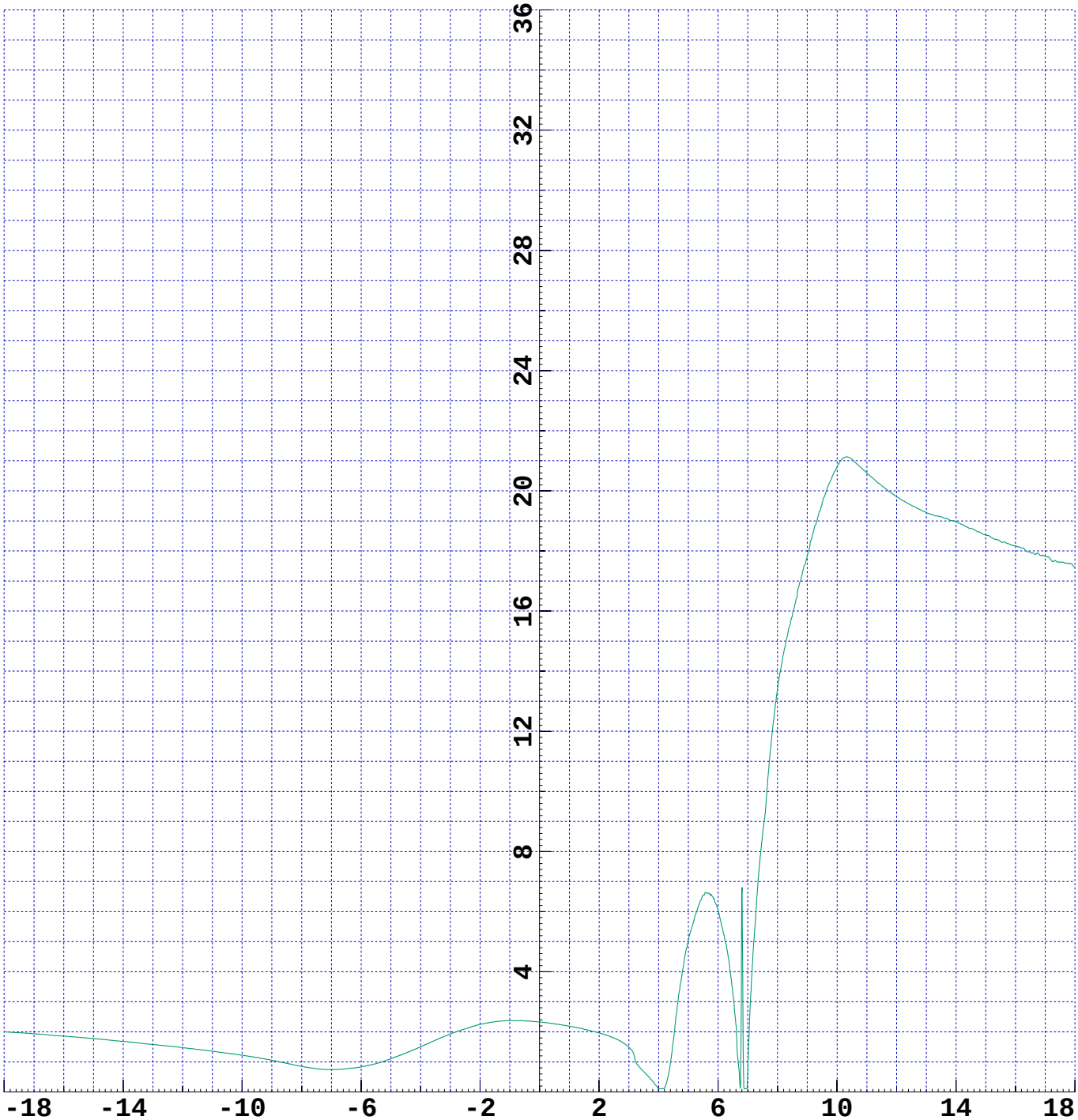


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

C_l

Ident: kpfr_022

GENSYS-KPF.1308

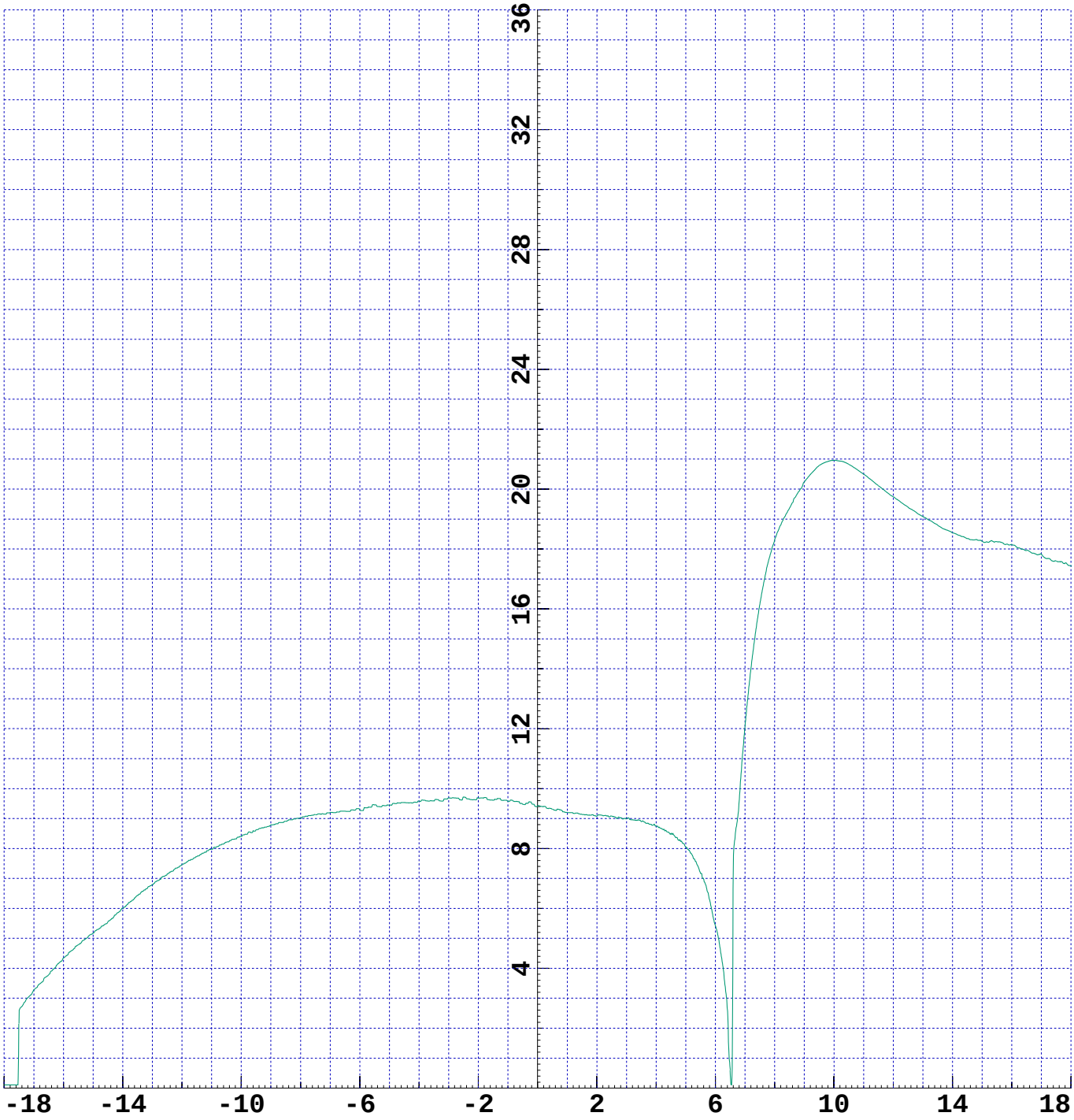


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

A/B_r

Ident: kpfr_022

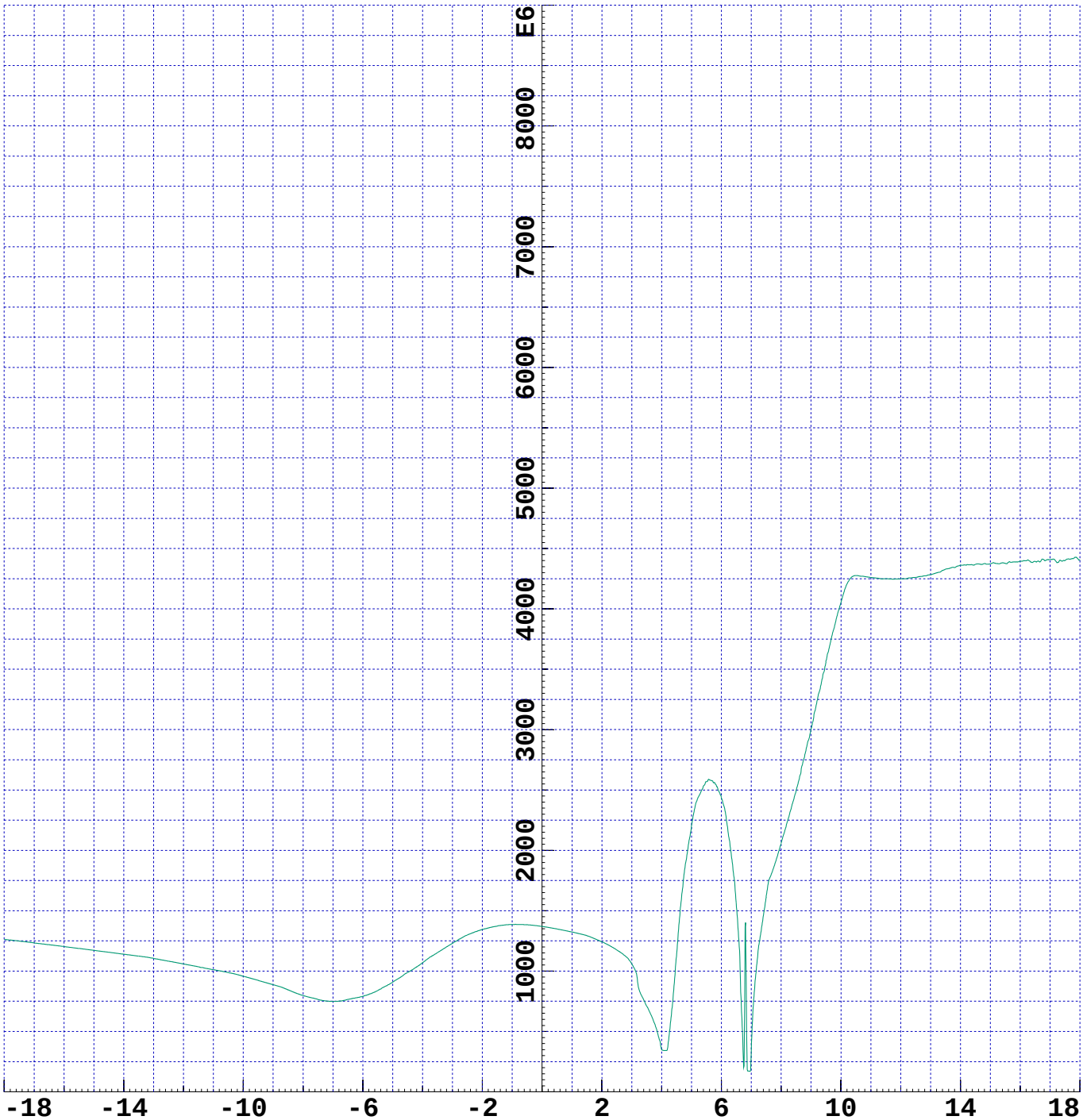
GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

A/B_l

Ident: kpfr_022

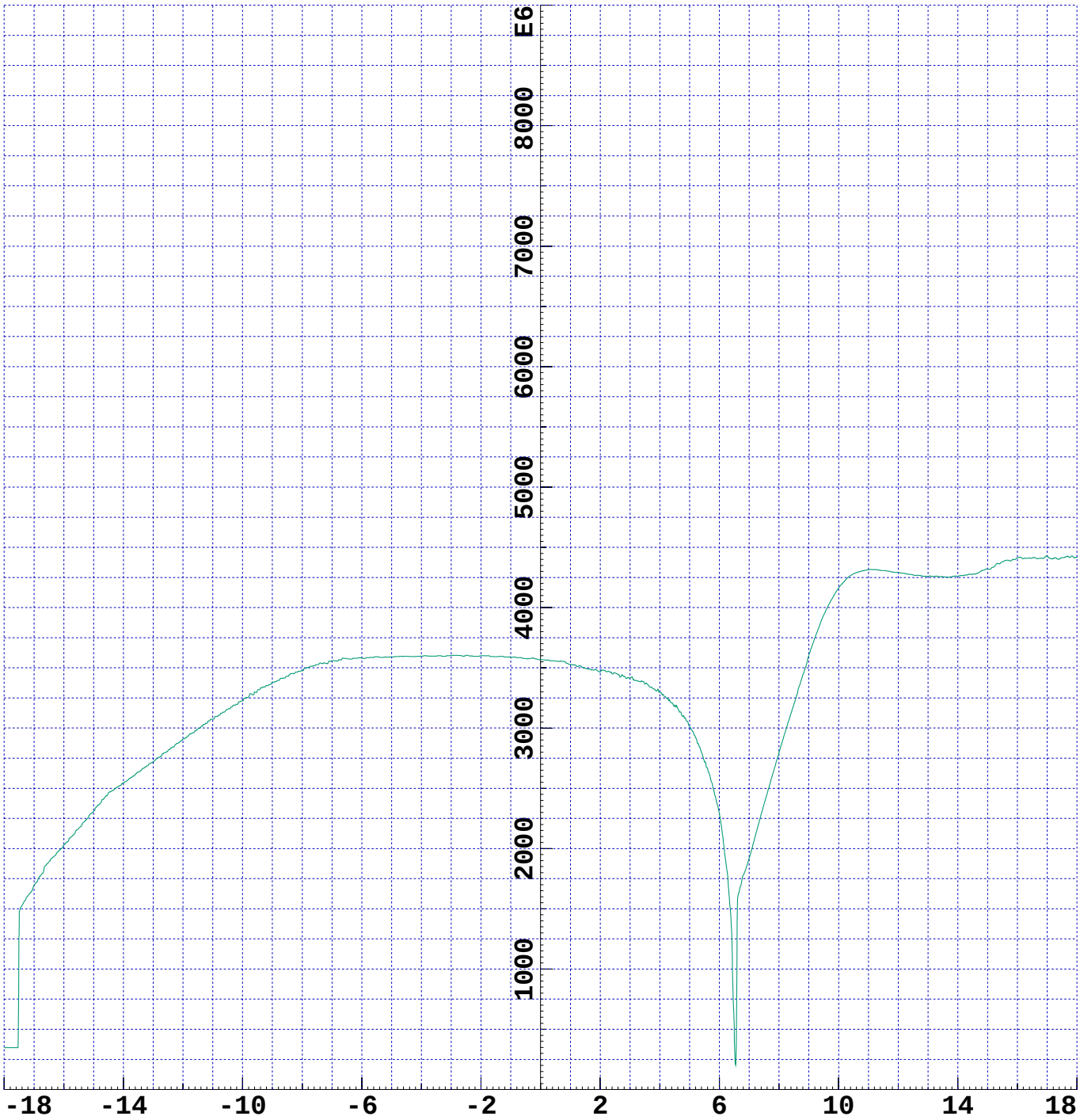


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

SIGMAr

Ident: kpfr_022

GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

SIGMAl

Ident: kpfr_022

GENSYS-KPF.1308

Radial Steering Index

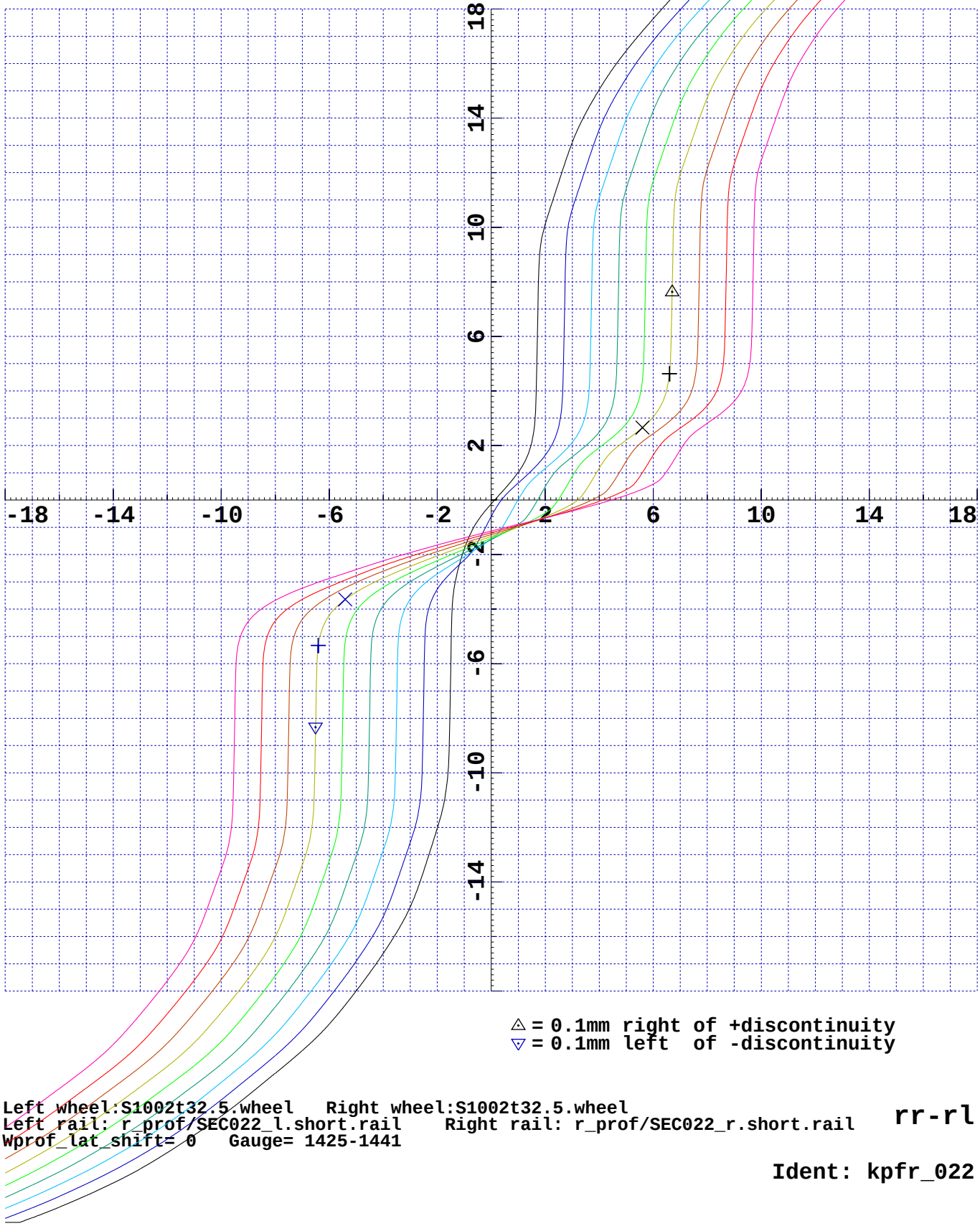
Gauge= 1425
1427
1429
1431
1433
1435
1437
1439
1441

× = Δr_E = 2.66 left curve
× = Δr_E = 3.65 right curve

possibility of rolling without slip

+ = A0r = 6.60 4.63
+ = A0l = -6.41 -5.33

discontinuity point



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

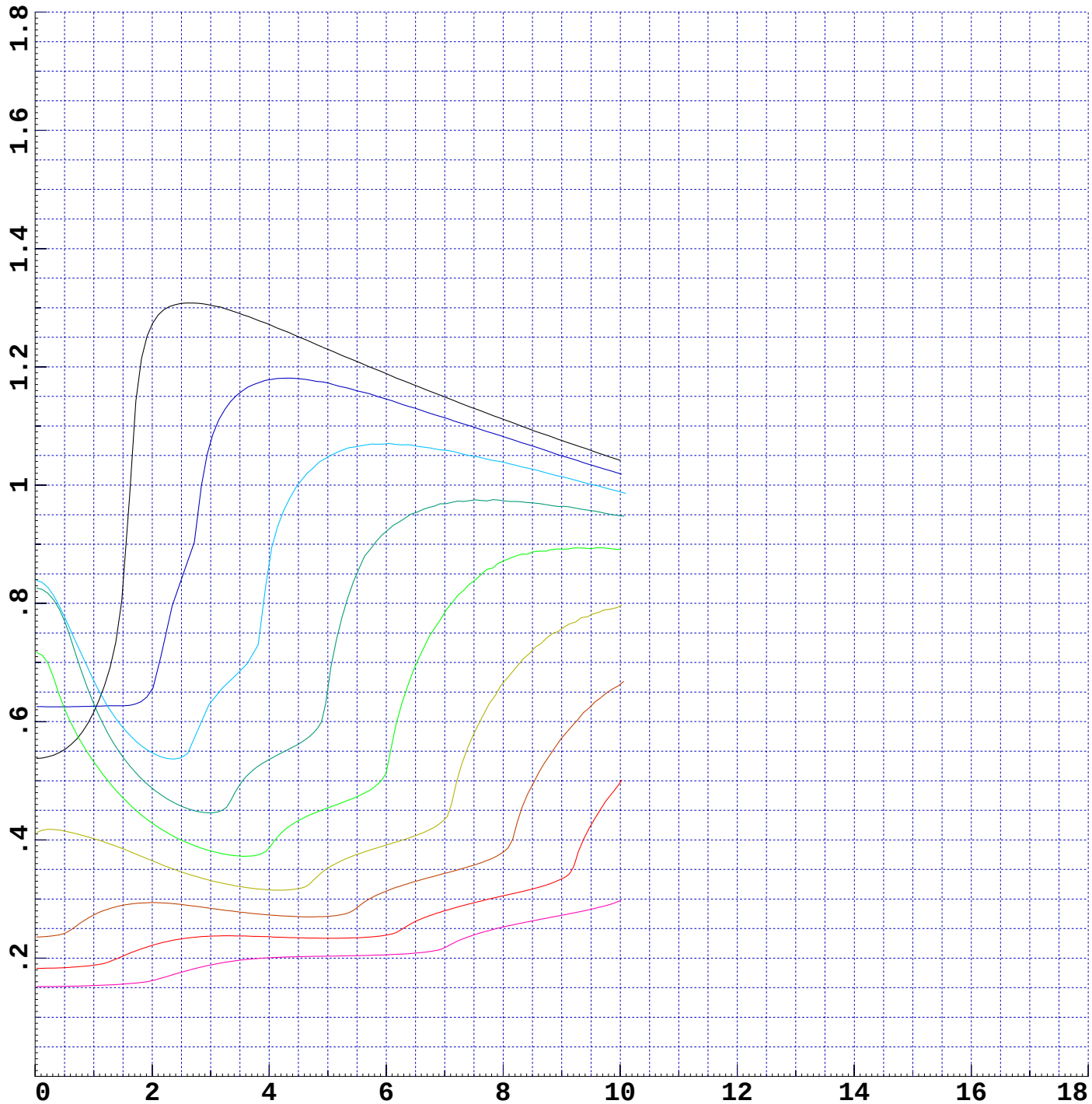
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

rr-rl

Ident: kpfr_022

GENSYS-KPF.1308

Delta_Y=	.1	.5	2	3	4	6
Gauge= 1425	.538	.553	1.272	1.304	1.271	1.189
1427	.625	.625	.655	1.073	1.178	1.145
1429	.836	.777	.547	.632	.868	1.070
1431	.824	.771	.487	.446	.536	.922
1433	.713	.623	.428	.381	.387	.514
1435	.415	.415	.365	.331	.315	.391
1437	.236	.242	.294	.284	.273	.313
1439	.183	.184	.222	.237	.236	.239
1441	.152	.152	.162	.188	.201	.206



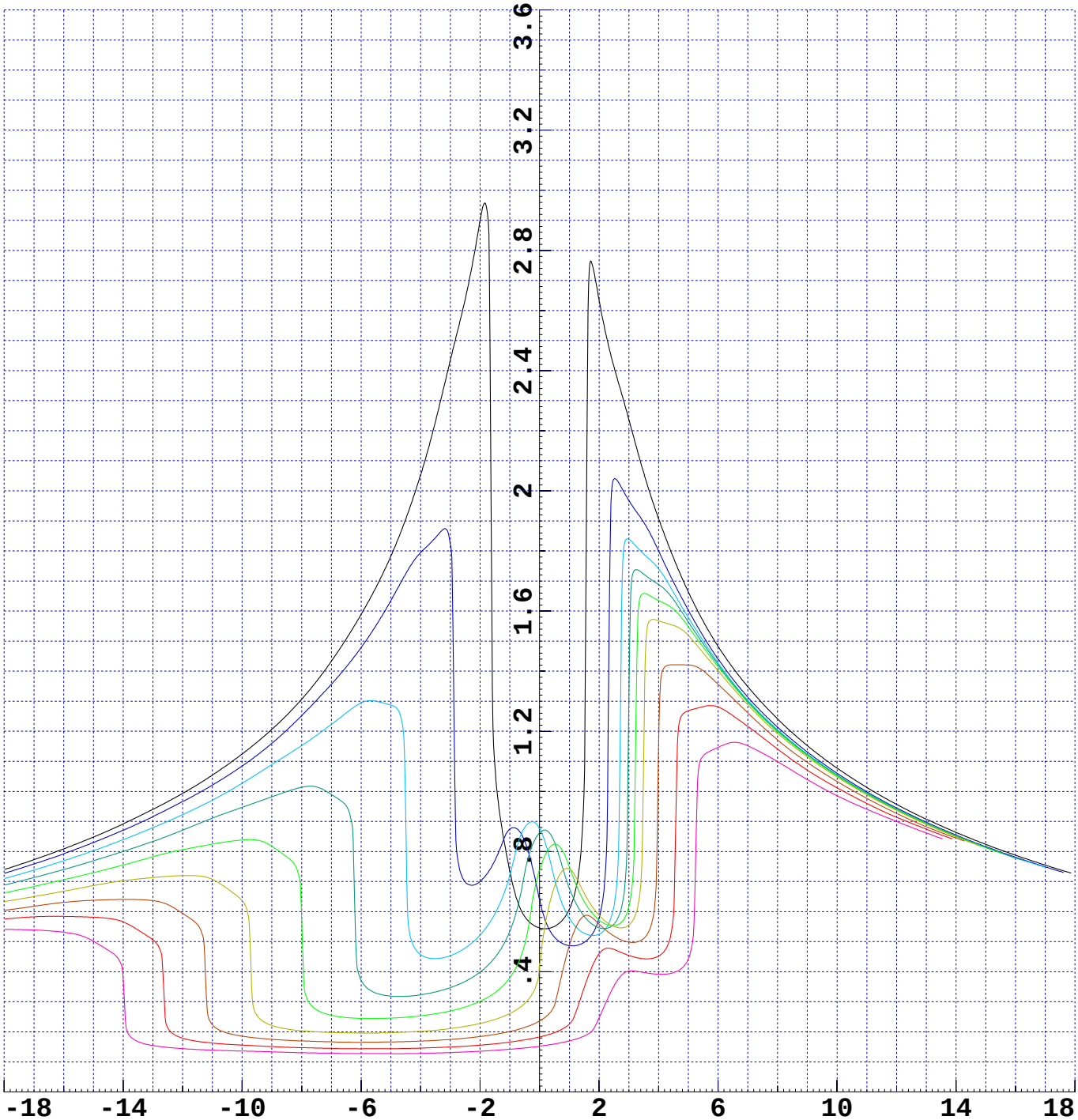
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

UIC519

Ident: kpfr_022

GENSYS-KPF.1308

Delta_Y=		.1	.5	2	3	4	6
Gauge=	1425	.543	.551	2.635	2.238	1.907	1.482
	1427	.599	.515	.578	1.968	1.800	1.440
	1429	.856	.711	.525	1.839	1.741	1.428
	1431	.869	.831	.546	1.315	1.688	1.422
	1433	.768	.824	.572	.616	1.635	1.415
	1435	.503	.684	.587	.555	1.568	1.402
	1437	.242	.289	.559	.499	1.133	1.356
	1439	.185	.198	.460	.454	.452	1.281
	1441	.153	.159	.247	.402	.391	1.146



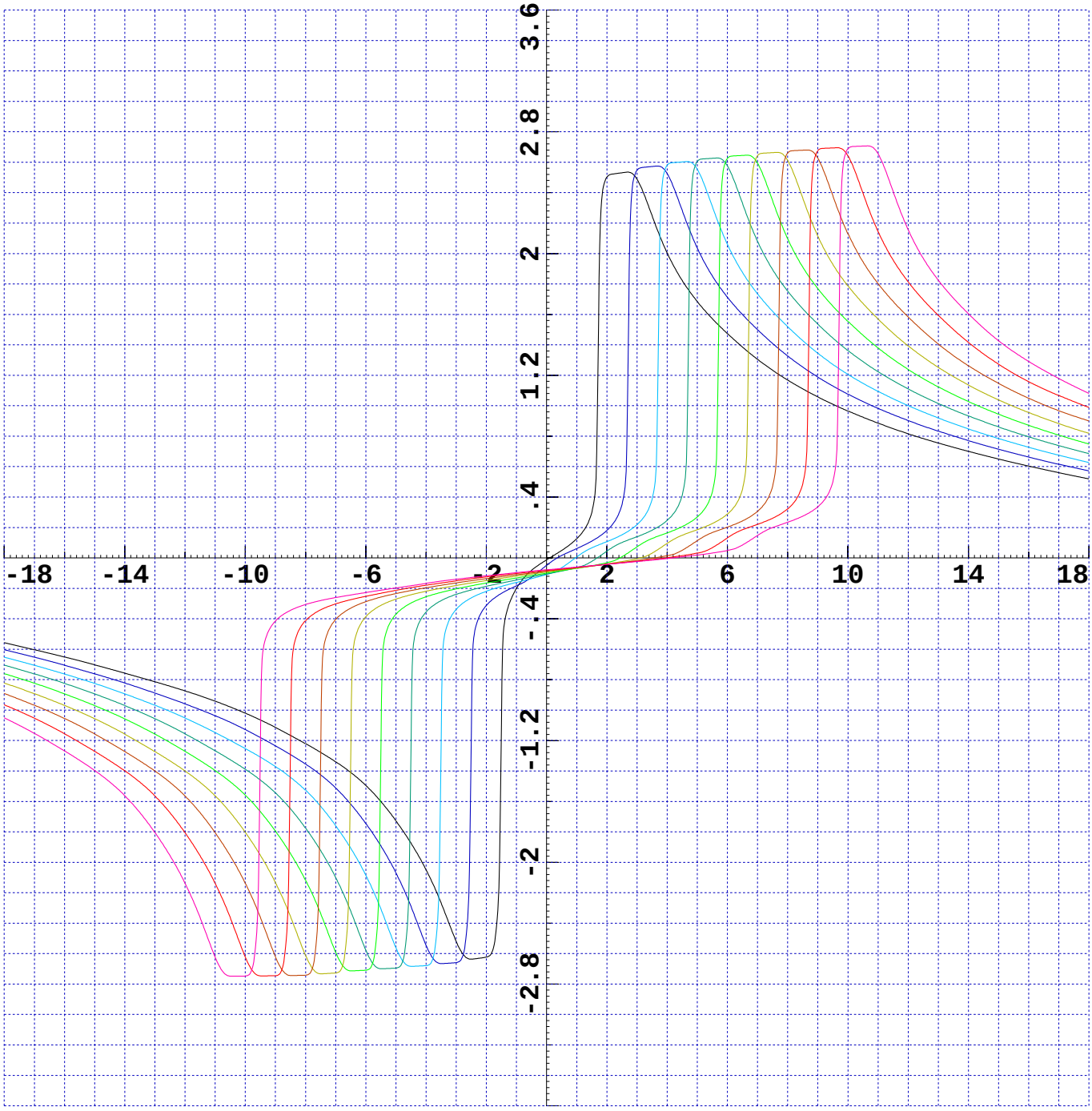
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

lambda

Ident: kpfr_022

GENSYS-KPF.1308

Gauge= 1425
1427
1429
1431
1433
1435
1437
1439
1441



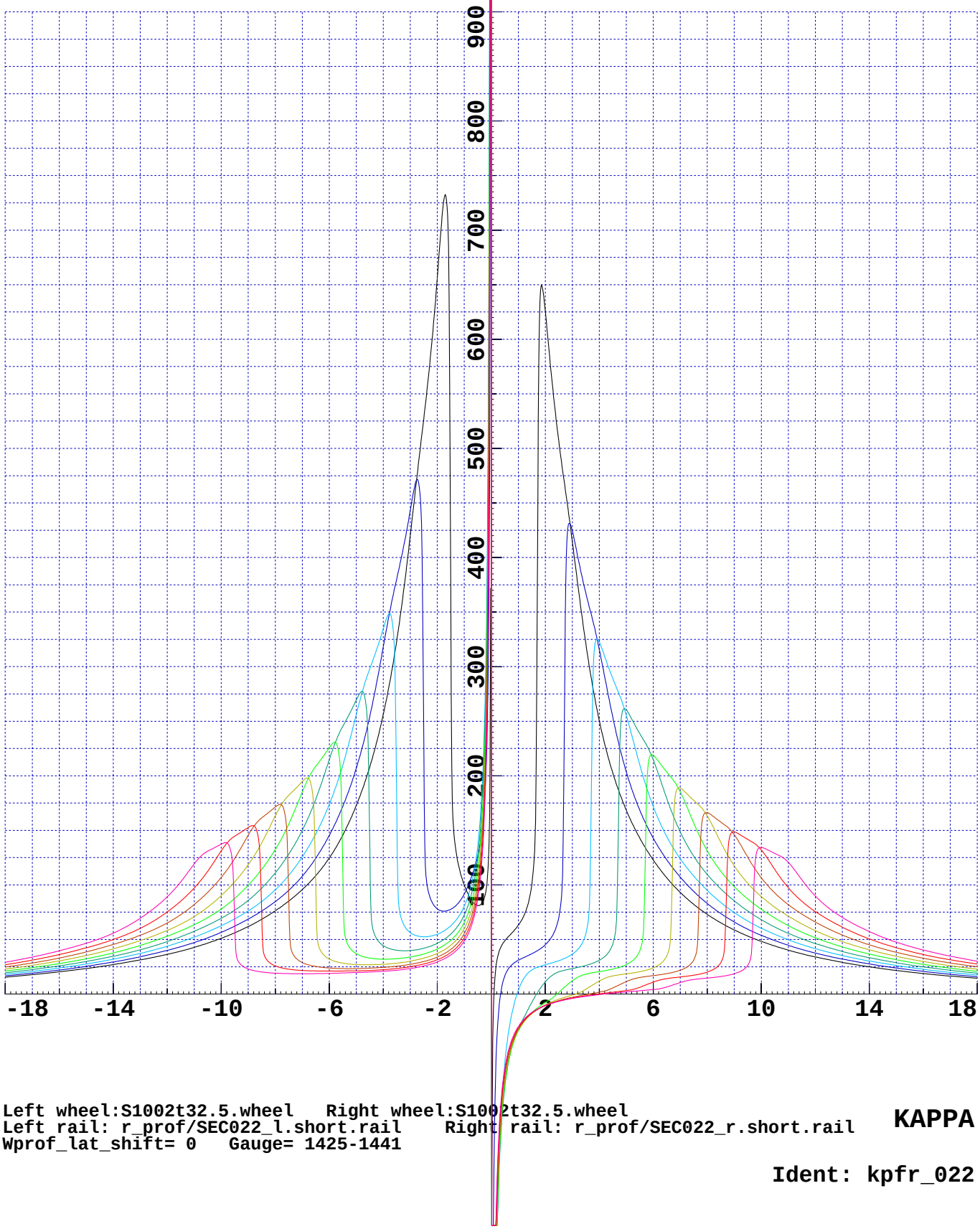
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

tan_Ga

Ident: kpfr_022

GENSYS-KPF.1308

Delta_Y=	.1	.5	2	3	4	6
Gauge= 1425	-1.63	48.75	625.61	414.57	250.38	122.87
1427	-165.45	16.44	45.21	424.60	315.70	142.73
1429	-513.59	-64.12	26.77	36.50	322.54	171.72
1431	-510.63	-86.02	11.18	23.29	30.92	214.68
1433	-482.11	-83.90	-7.72	12.18	20.59	218.78
1435	-451.79	-79.94	-9.88	-.99	11.91	24.00
1437	-423.95	-75.79	-10.48	-2.88	1.77	16.86
1439	-399.88	-71.98	-10.59	-3.63	.14	10.96
1441	-380.12	-68.73	-10.50	-4.00	-.54	4.11



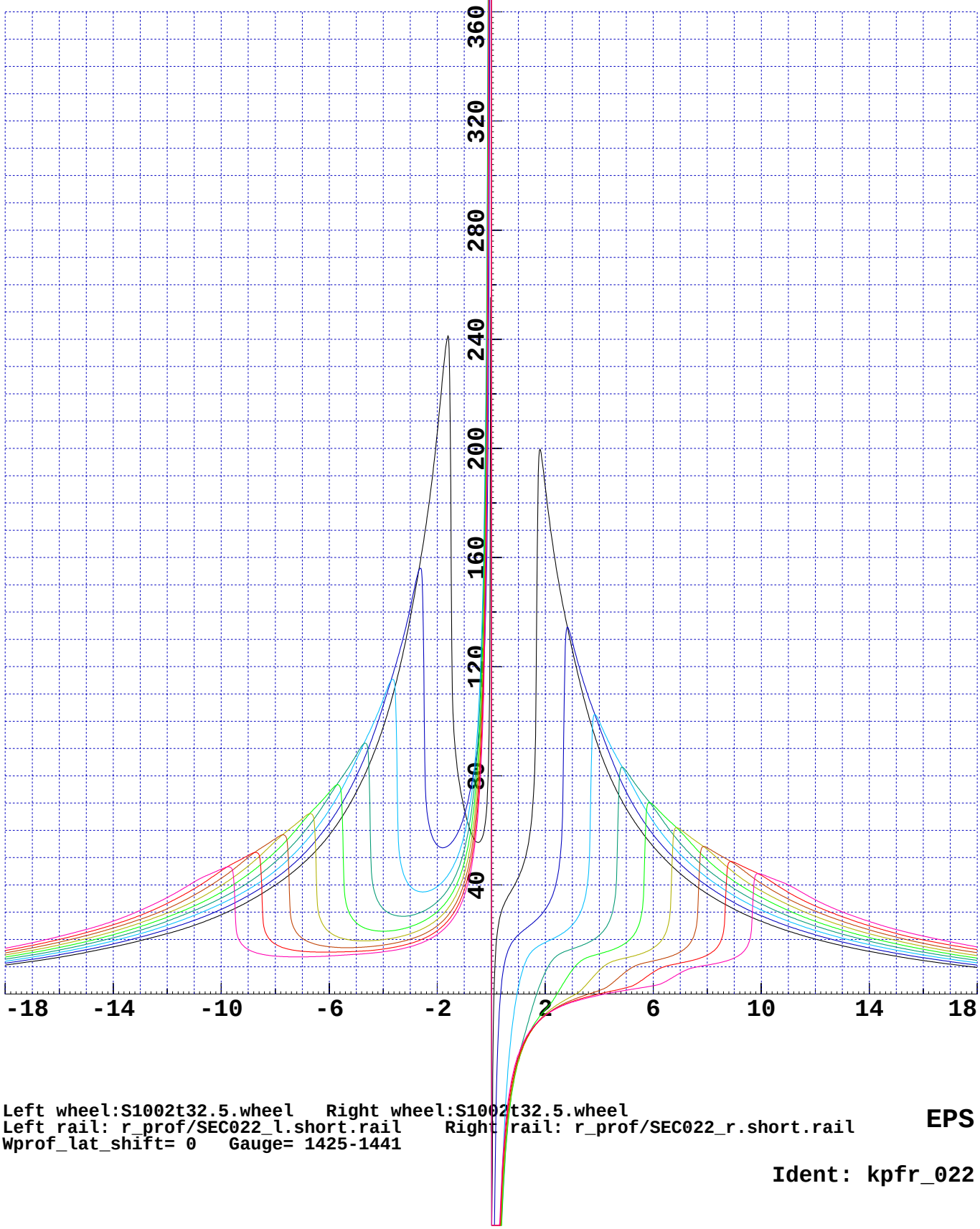
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

KAPPA

Ident: kpfr_022

GENSYS-KPF.1308

Delta_Y=	.1	.5	2	3	4	6
Gauge= 1425	-1.12	33.38	185.65	126.10	89.60	54.09
1427	-117.06	11.57	31.05	129.17	98.03	58.39
1429	-372.76	-46.41	18.95	25.30	99.85	63.24
1431	-373.51	-62.94	8.08	16.59	21.57	68.45
1433	-354.46	-61.71	-5.68	8.84	14.74	69.34
1435	-333.42	-59.02	-7.30	-.73	8.68	16.88
1437	-313.78	-56.11	-7.76	-2.13	1.31	12.14
1439	-296.66	-53.41	-7.86	-2.70	.10	8.03
1441	-282.53	-51.09	-7.81	-2.98	-.40	3.05



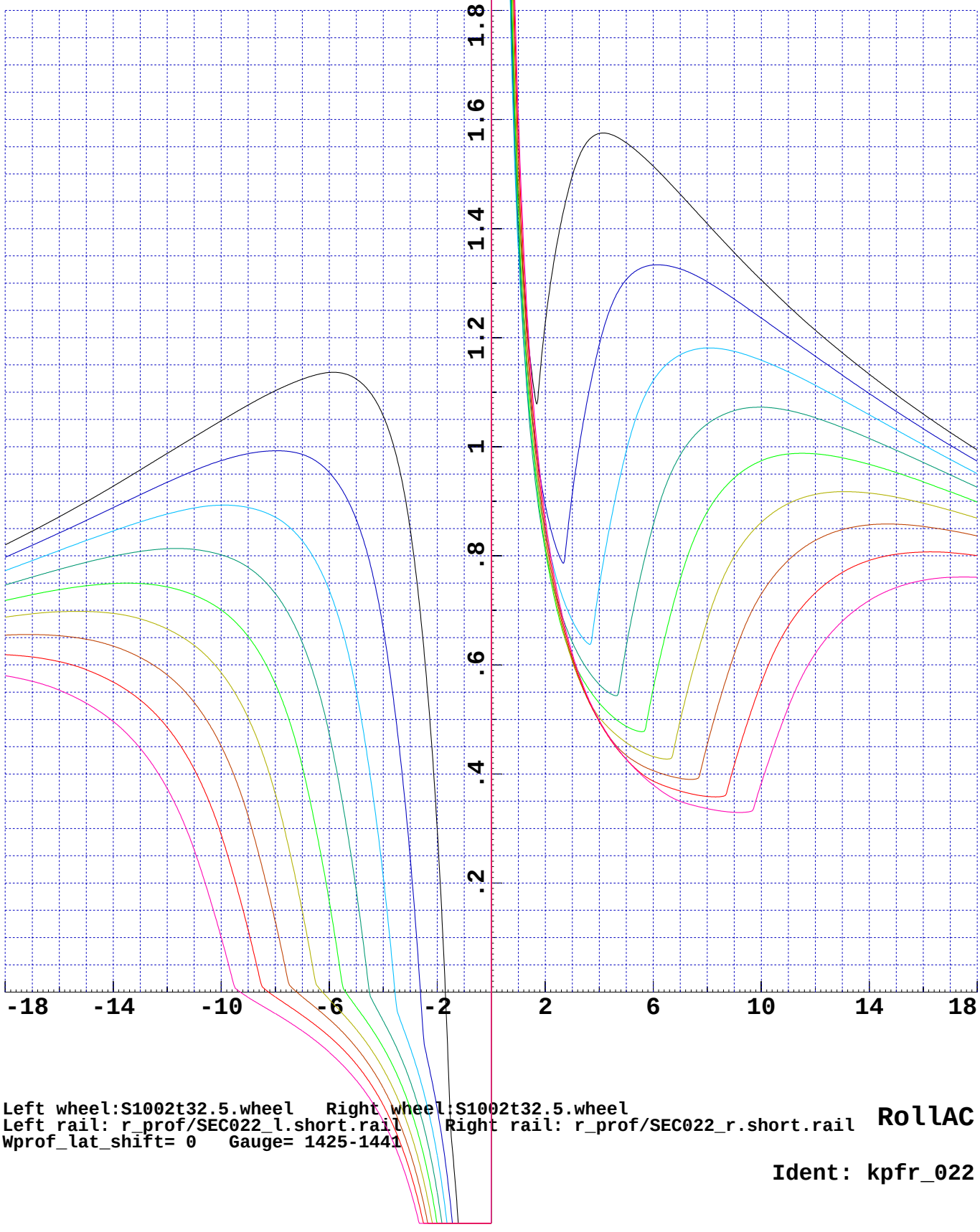
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

EPS

Ident: kpfr_022

GENSYS-KPF.1308

Delta_Y=	.1	.5	2	3	4	6
Gauge= 1425	10.84	2.50	1.23	1.50	1.57	1.51
1427	10.78	2.44	.89	.91	1.19	1.33
1429	11.26	2.45	.85	.68	.74	1.12
1431	11.98	2.57	.81	.64	.56	.86
1433	12.66	2.68	.81	.61	.53	.56
1435	13.30	2.80	.82	.61	.50	.43
1437	13.90	2.90	.84	.61	.50	.41
1439	14.45	3.00	.85	.61	.50	.39
1441	14.98	3.10	.87	.62	.50	.38



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC022_l.short.rail Right rail: r_prof/SEC022_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

RollAC

Ident: kpfr_022