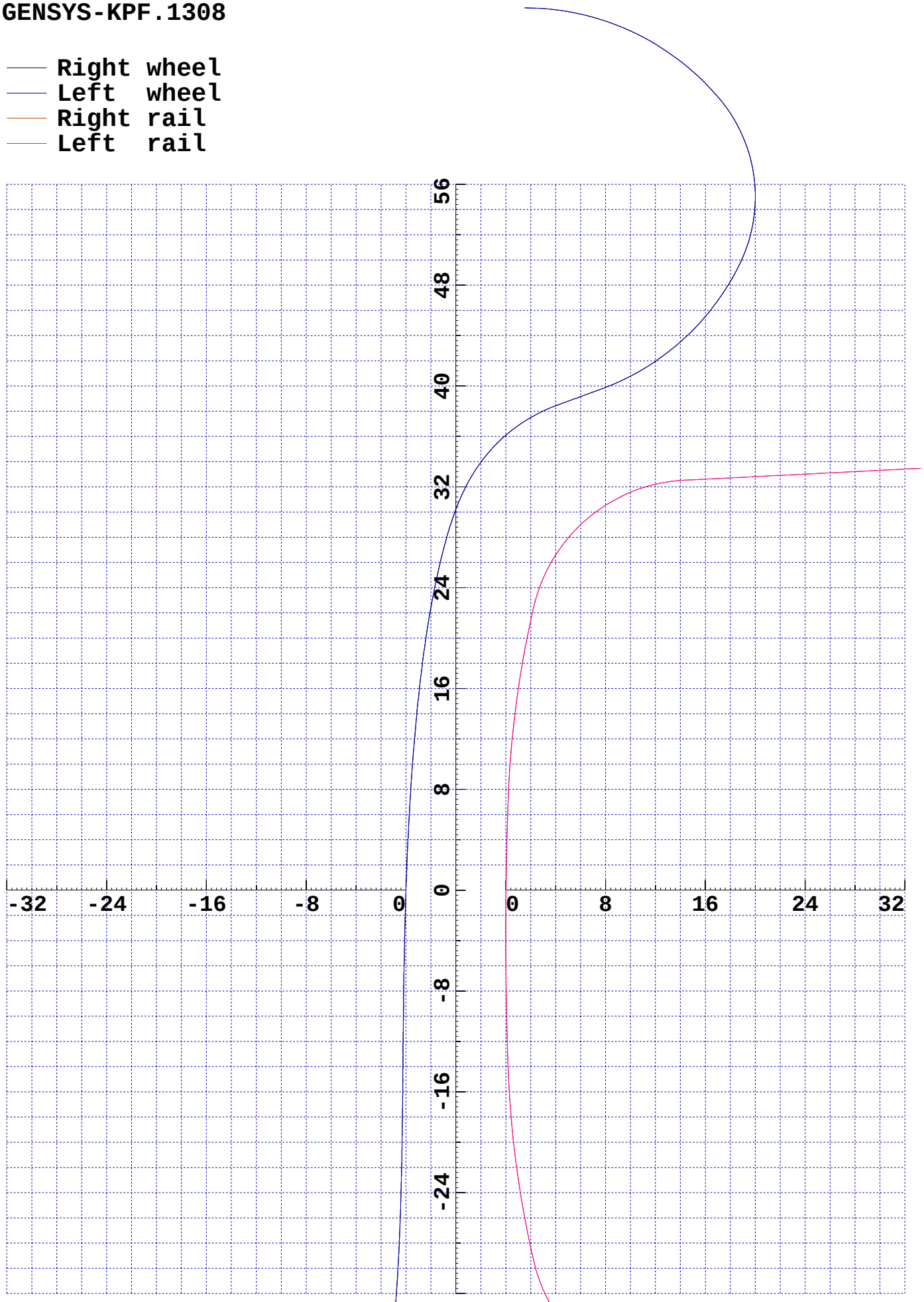
GENSYS-KPF.1308

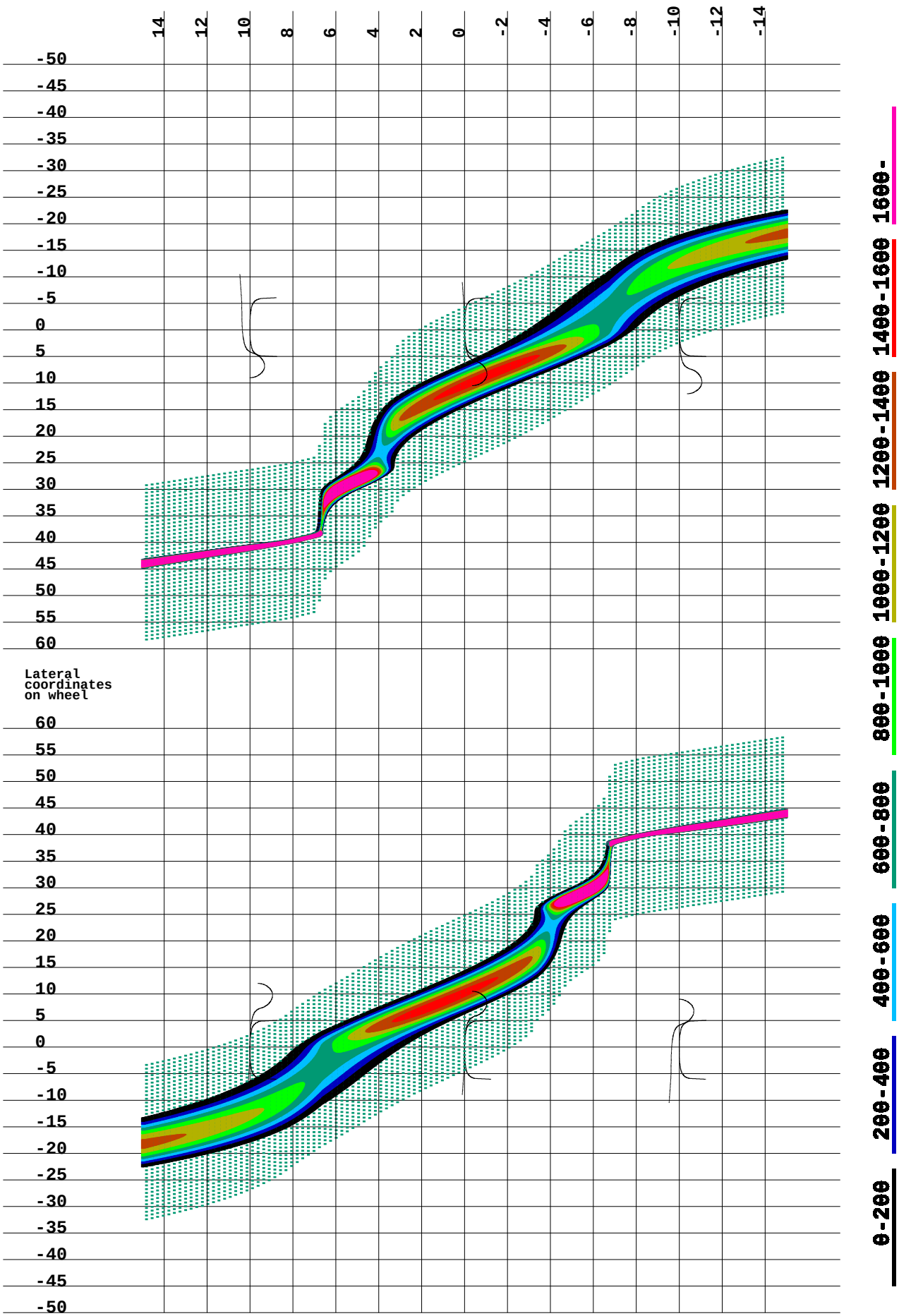


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

WRGEOM

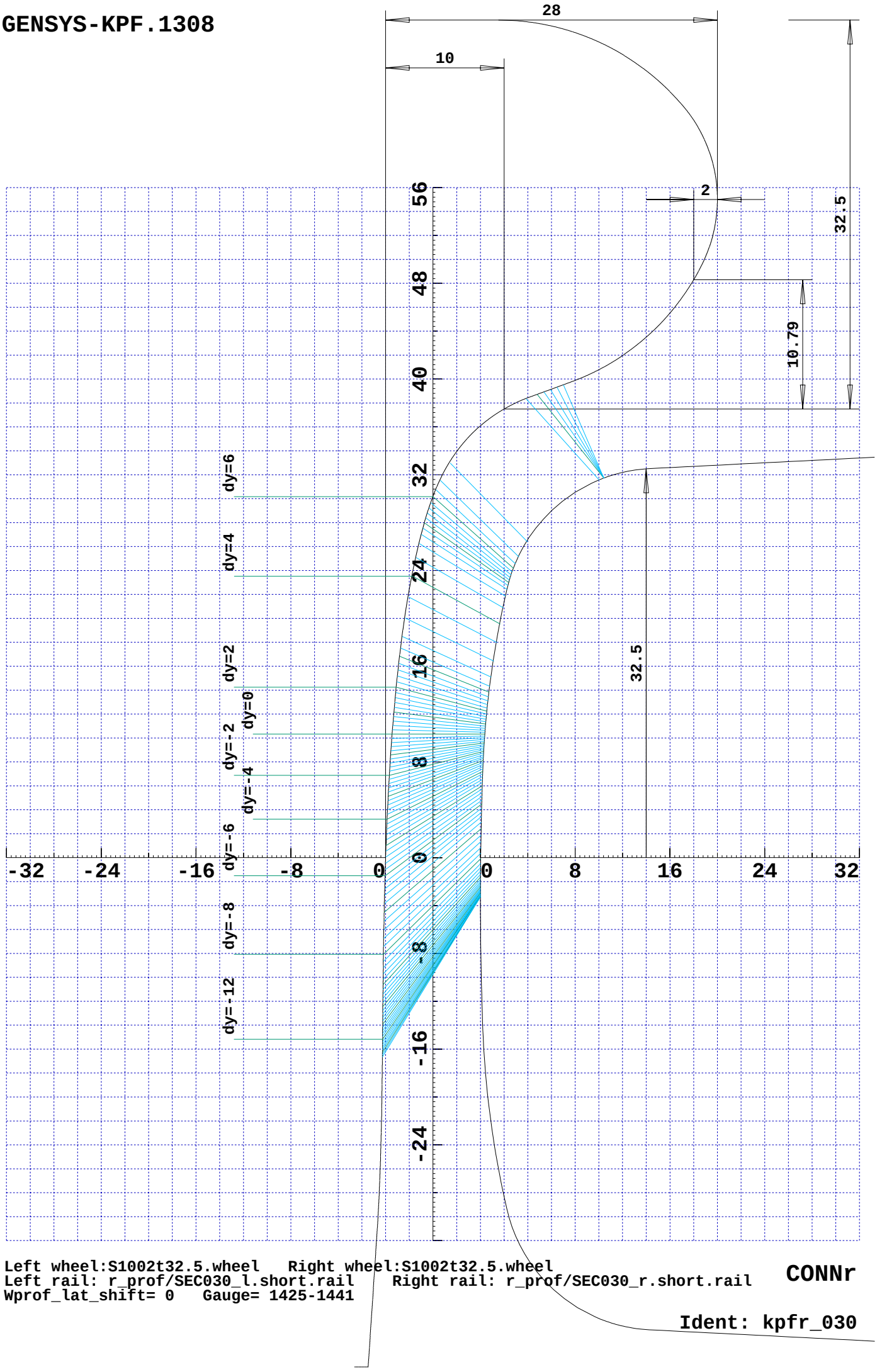
Ident: kpfr_030

GENSYS-KPF.1308

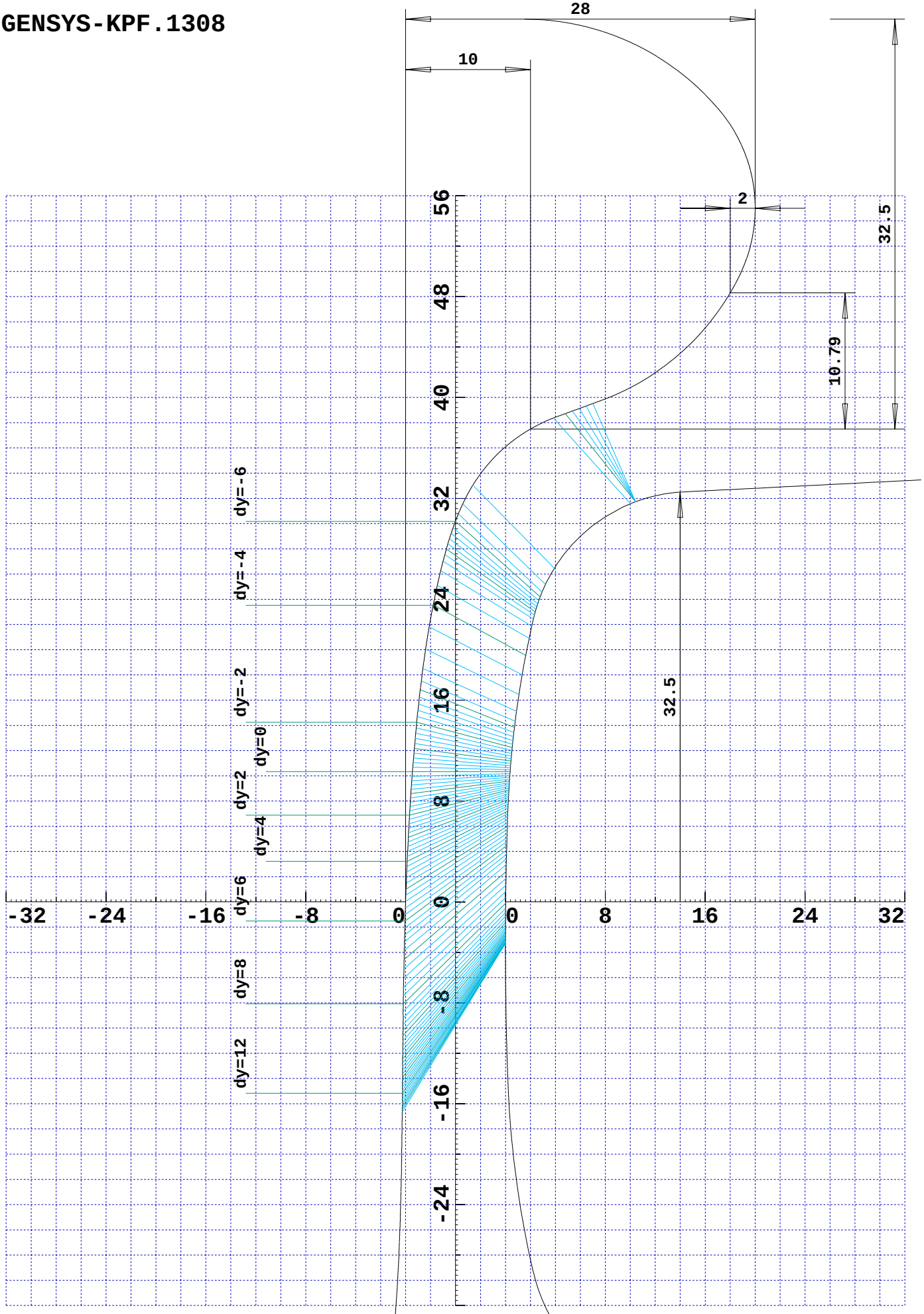


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.sho
Wprof_lat_shift= 0 Gauge= 1425-1441

Contact Pressure


GENSYS-KPF.1308
28
10
2
32.5
10.79
32.5
dy=6
dy=4
dy=2
dy=0
dy=-2
dy=-4
dy=-6
dy=-8
dy=-12
56
48
40
32
24
16
8
0
-8
-16
-24
-32
-24
-16
-8
0
8
16
24
32
Left wheel:S1002t32.5.wheel
Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail
Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0
Gauge= 1425-1441
CONNr
Ident: kpfr_030

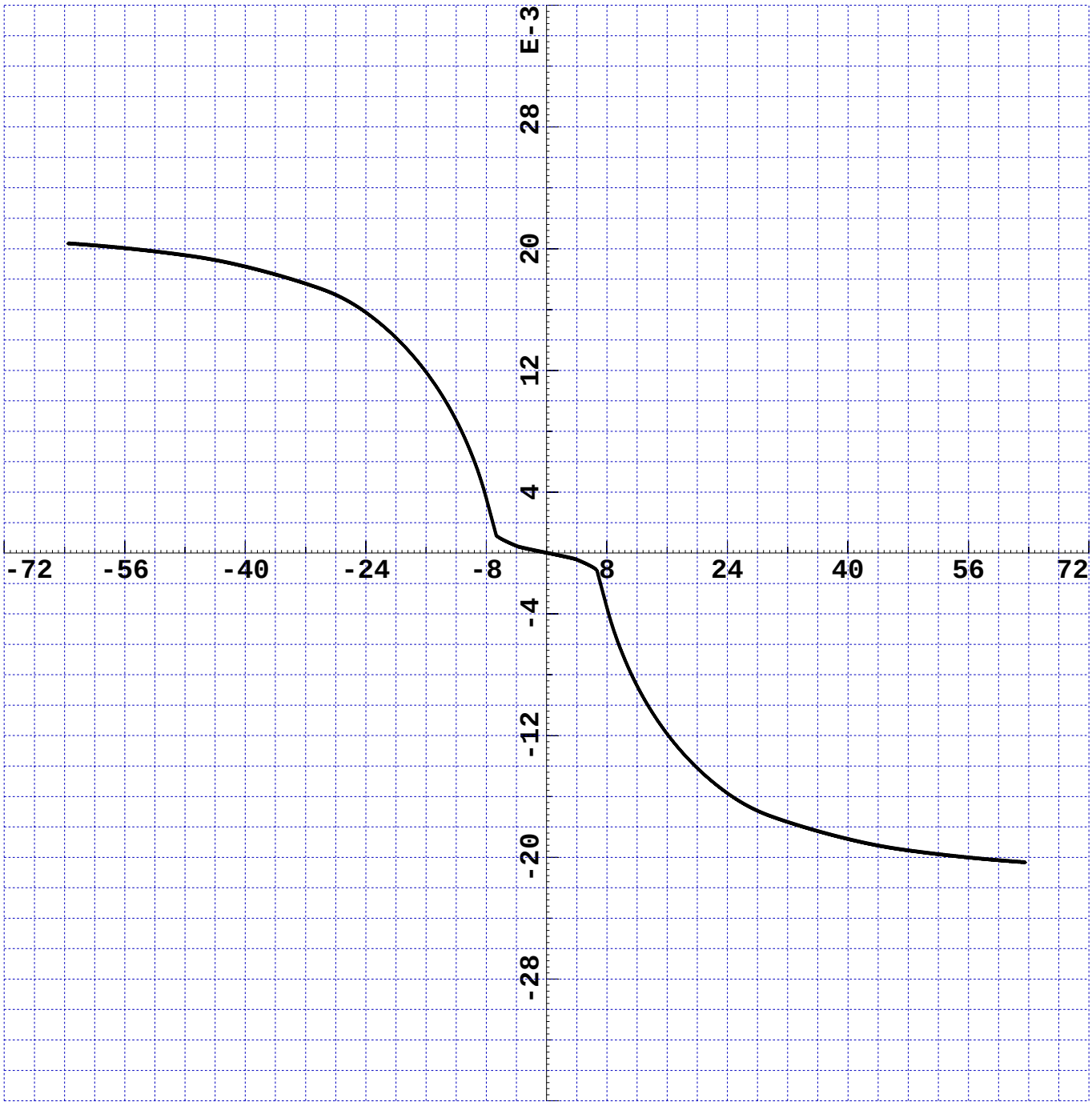
GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

CONNl

Ident: kpfr_030

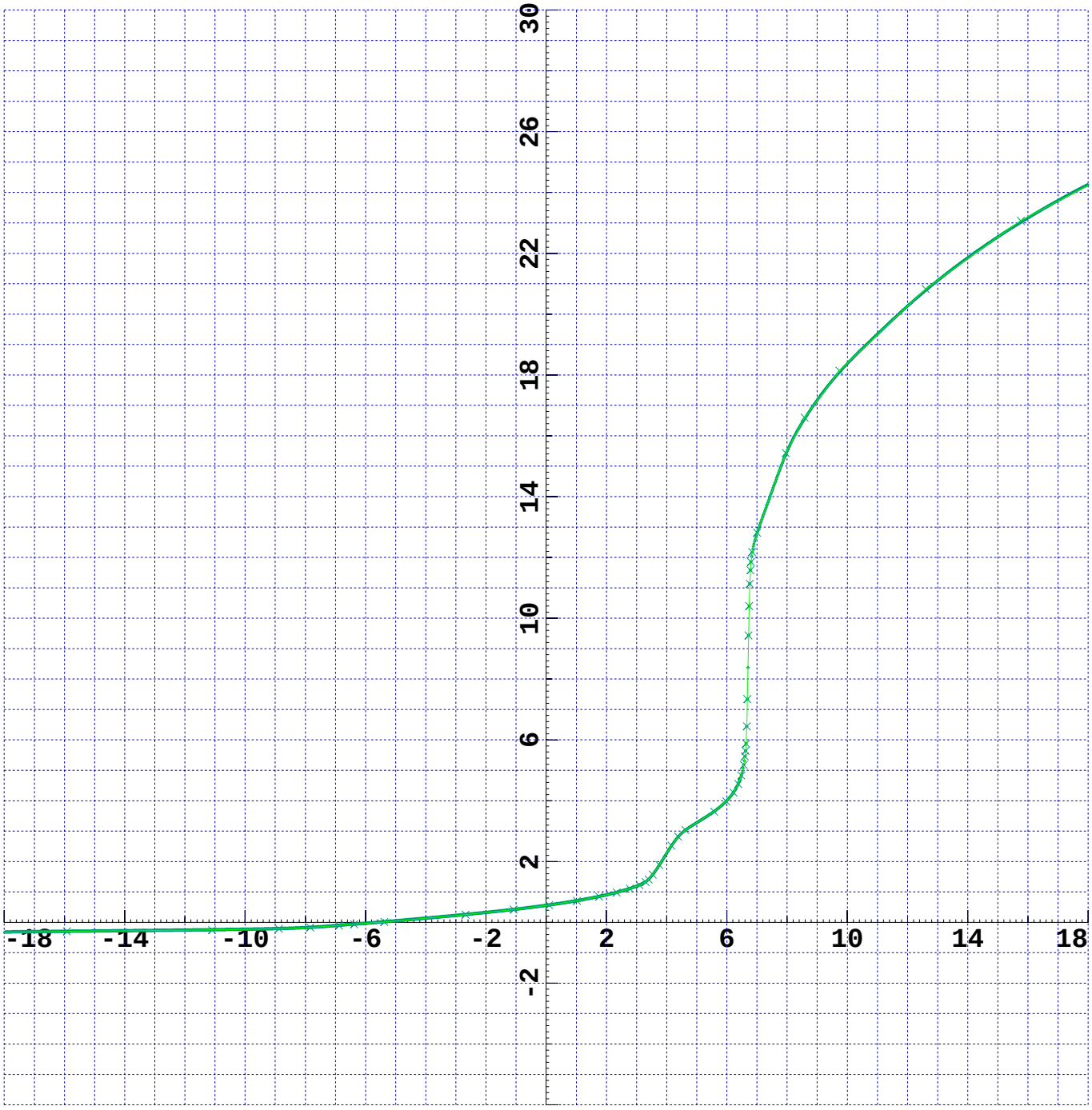


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

FIaxl

Ident: kpfr_030

GENSYS-KPF.1308

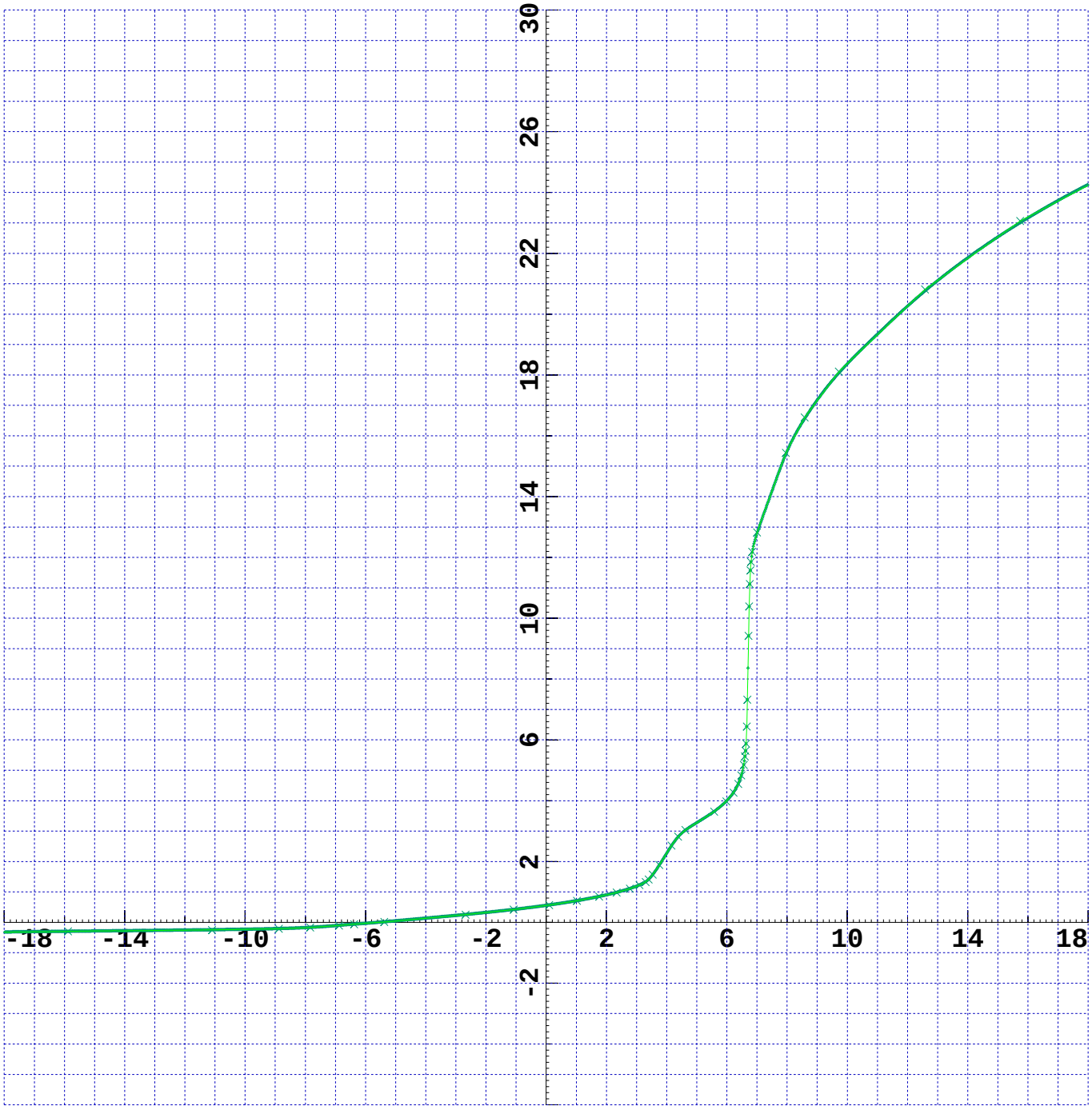


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

DRFNr

Ident: kpfr_030

GENSYS-KPF.1308

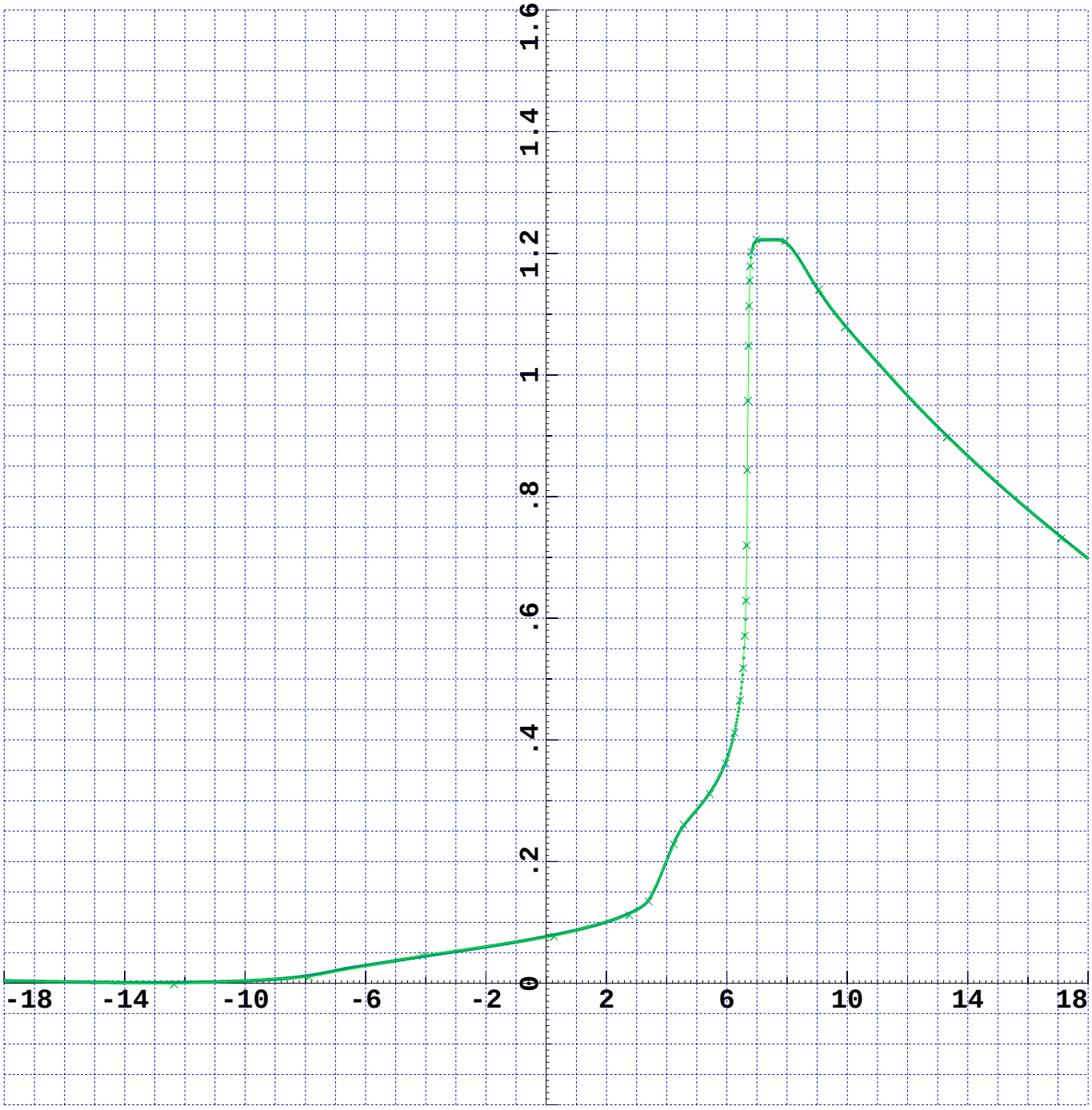


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

DRFNl

Ident: kpfr_030

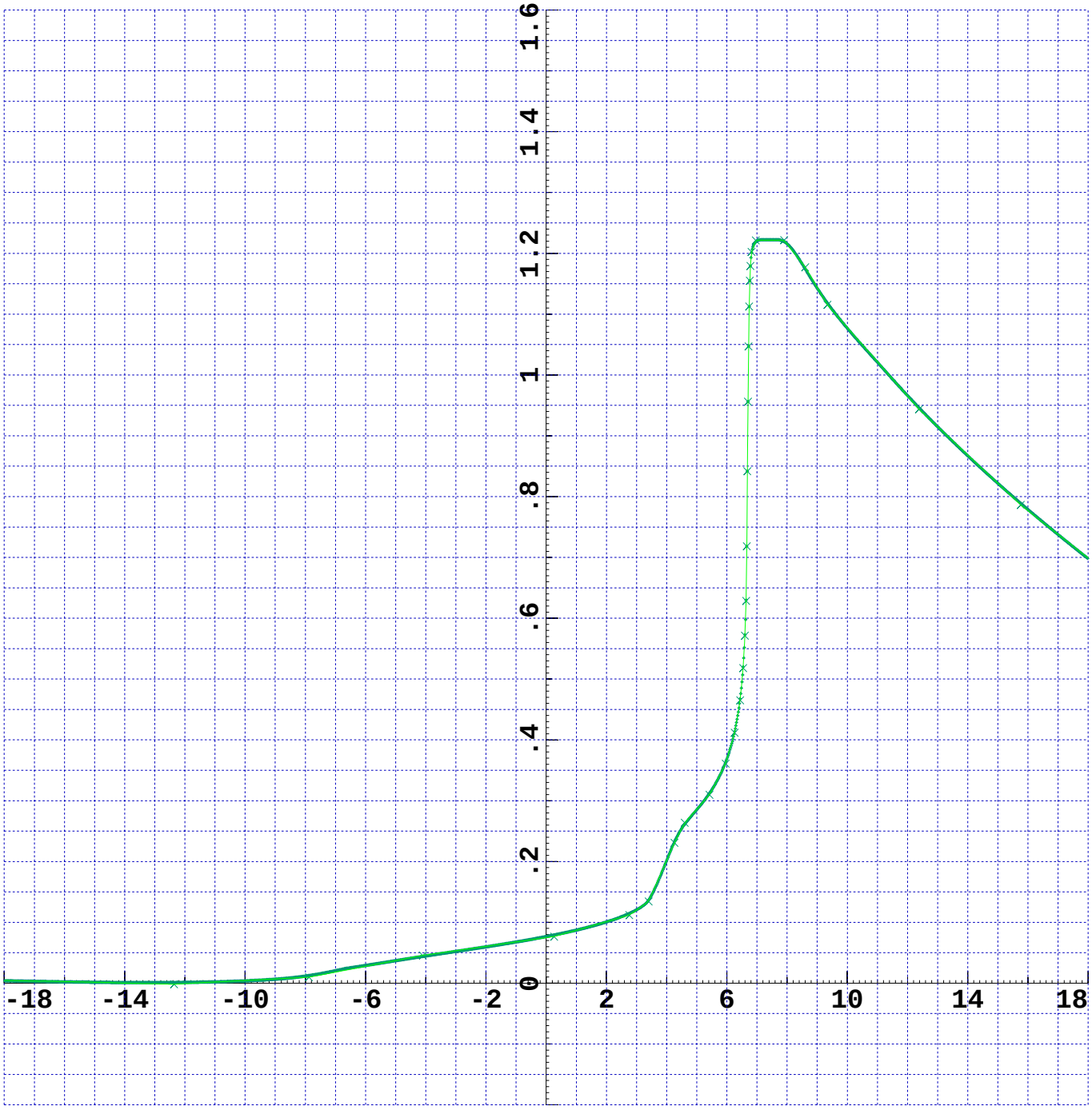
GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

GAMFNr

Ident: kpfr_030

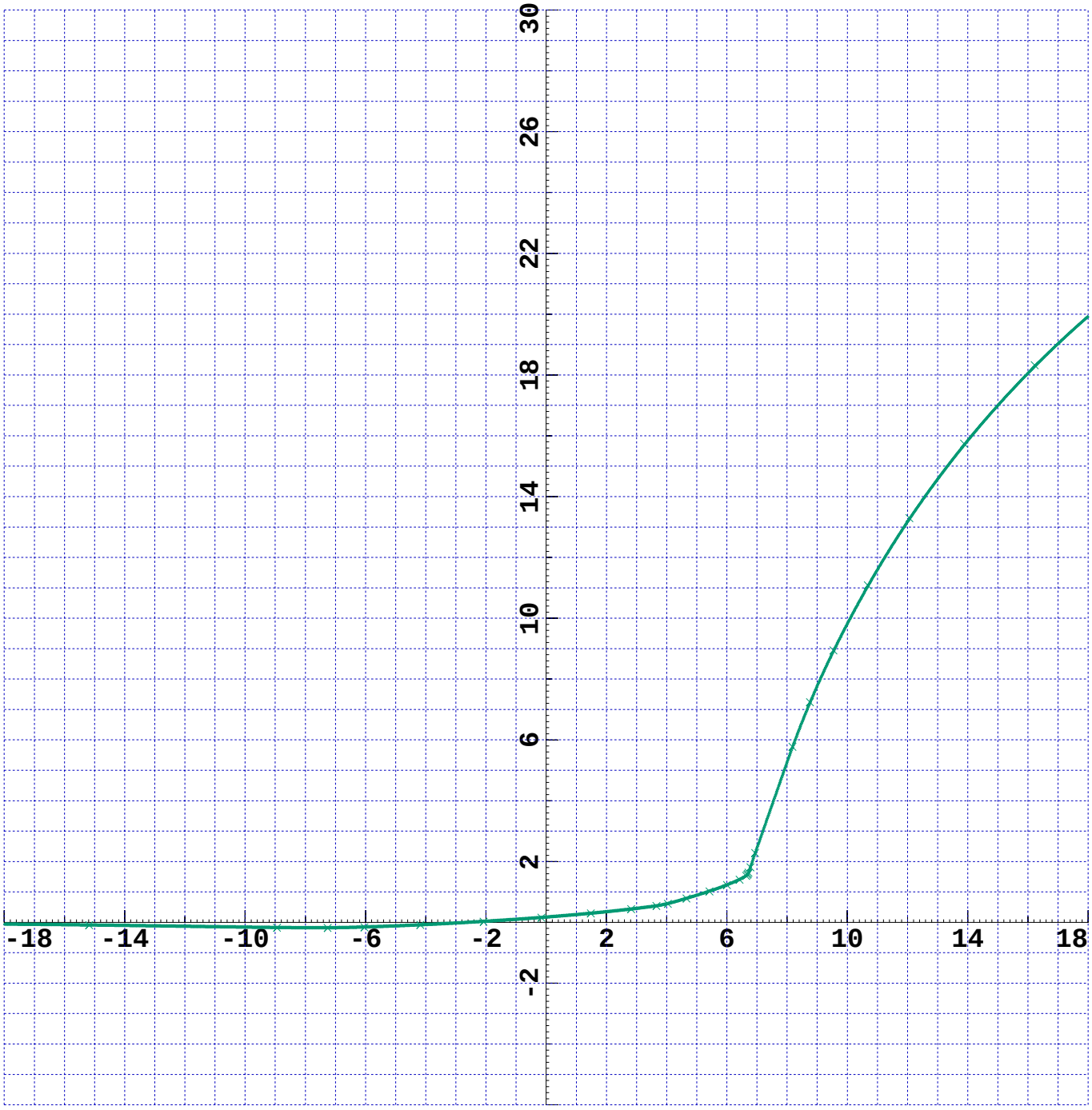


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

GAMFNl

Ident: kpfr_030

GENSYS-KPF.1308

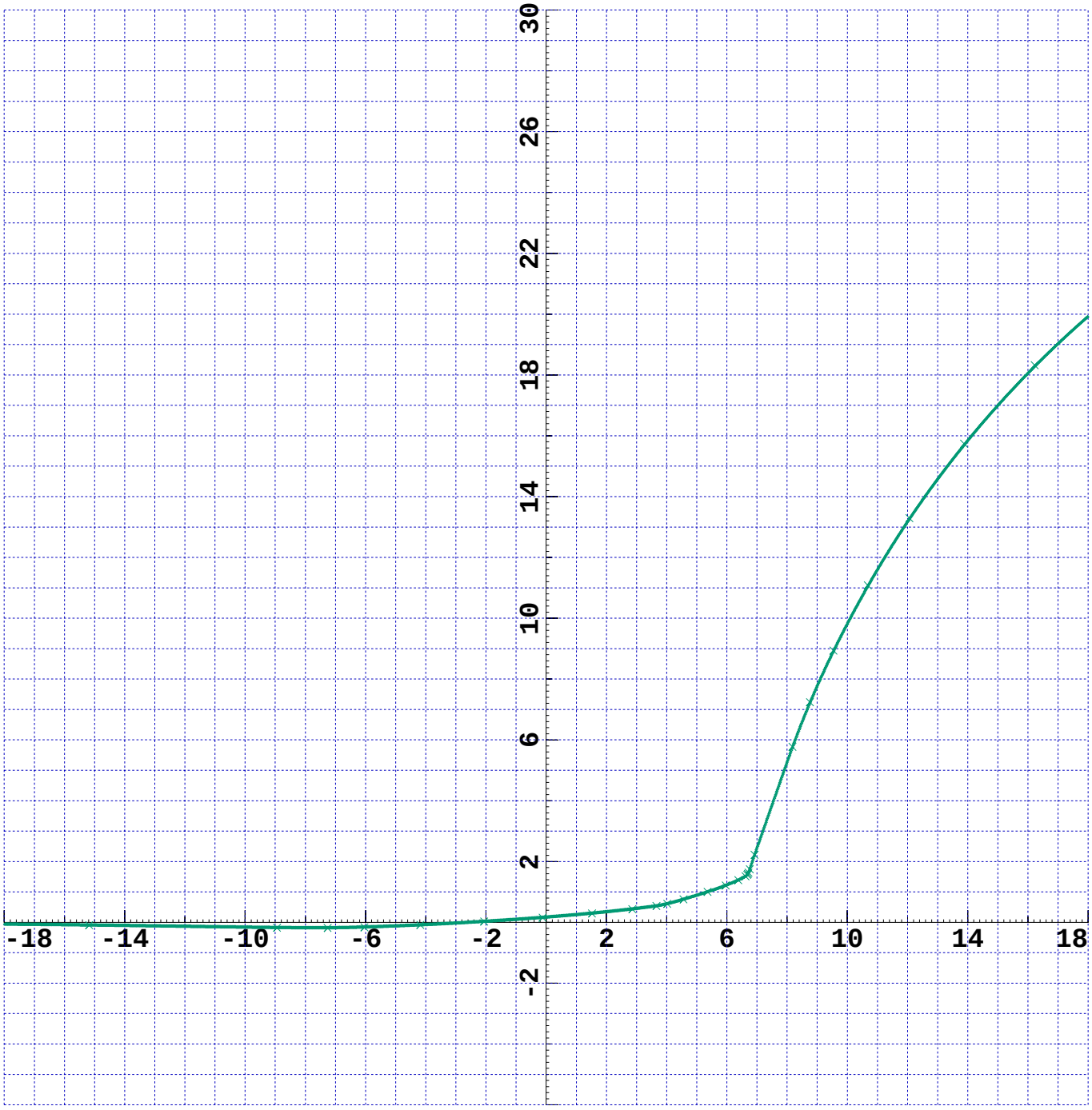


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZFNr

Ident: kpfr_030

GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZFNl

Ident: kpfr_030

GENSYS-KPF.1308

Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ROFNr

Ident: kpfr_030

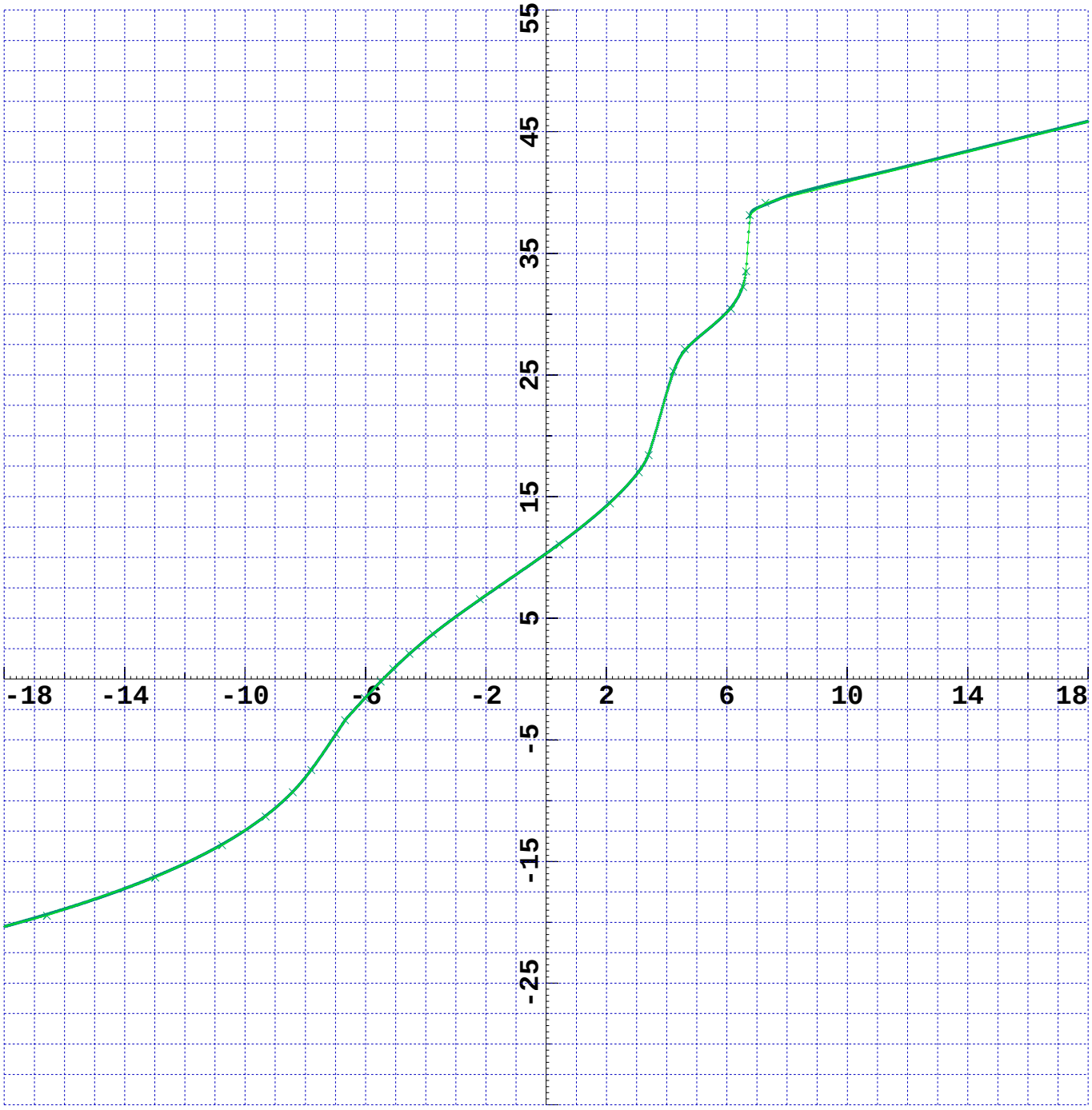
GENSYS-KPF.1308

Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ROFNl

Ident: kpfr_030

GENSYS-KPF.1308

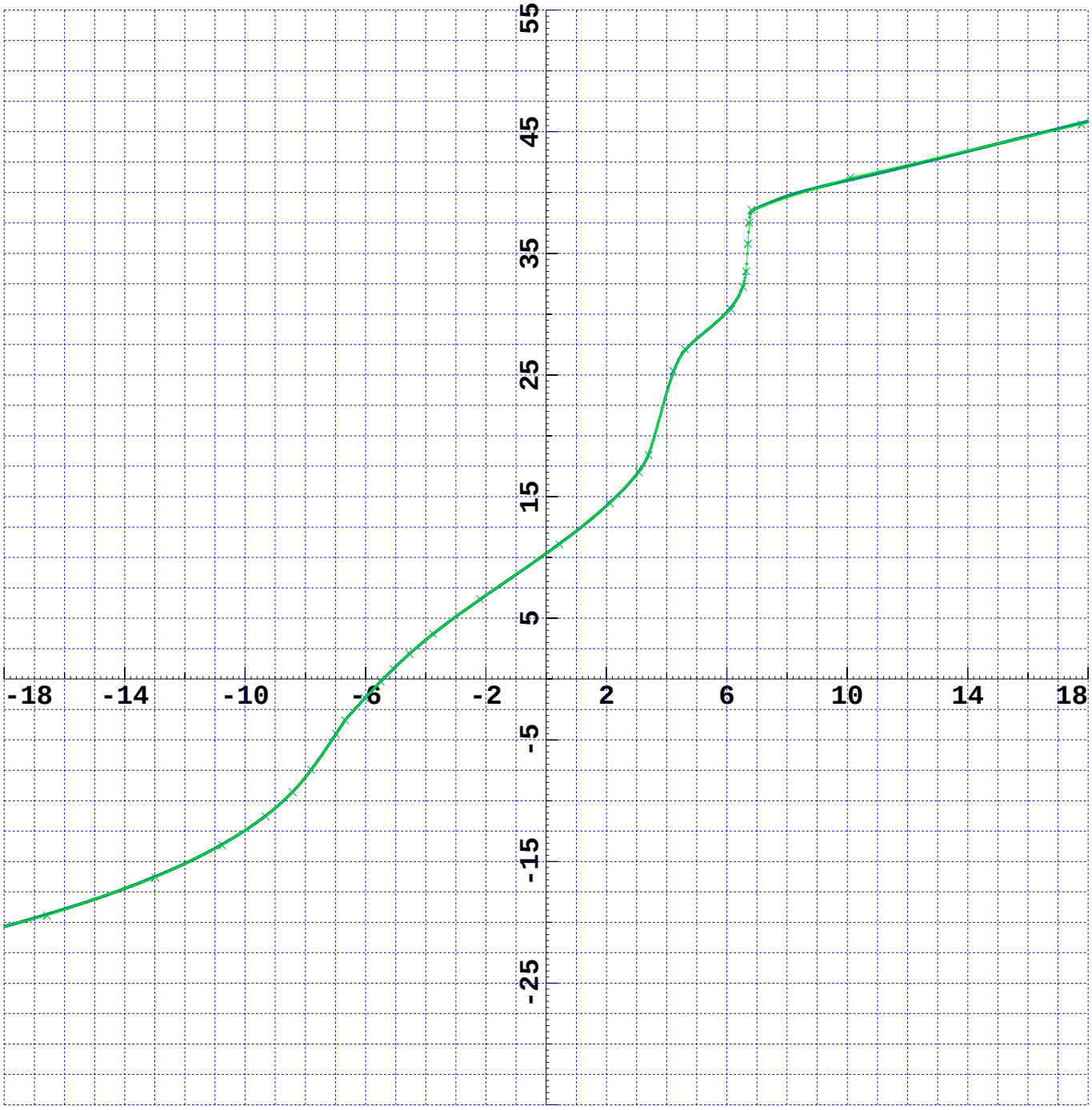


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

POSWr

Ident: kpfr_030

GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

POSWl

Ident: kpfr_030

Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

POSRr

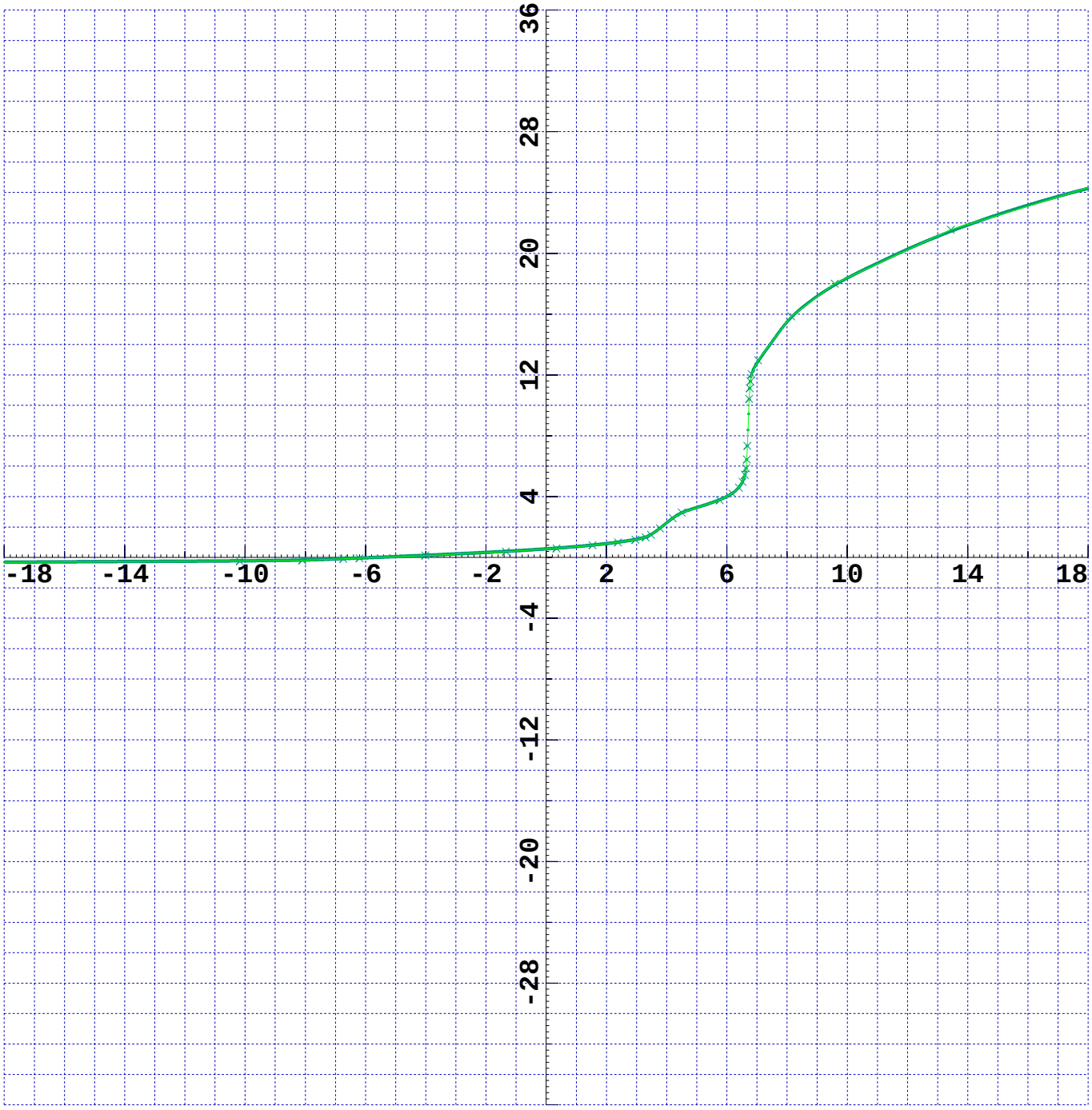
Ident: kpfr_030

Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

POSRl

Ident: kpfr_030

GENSYS-KPF.1308

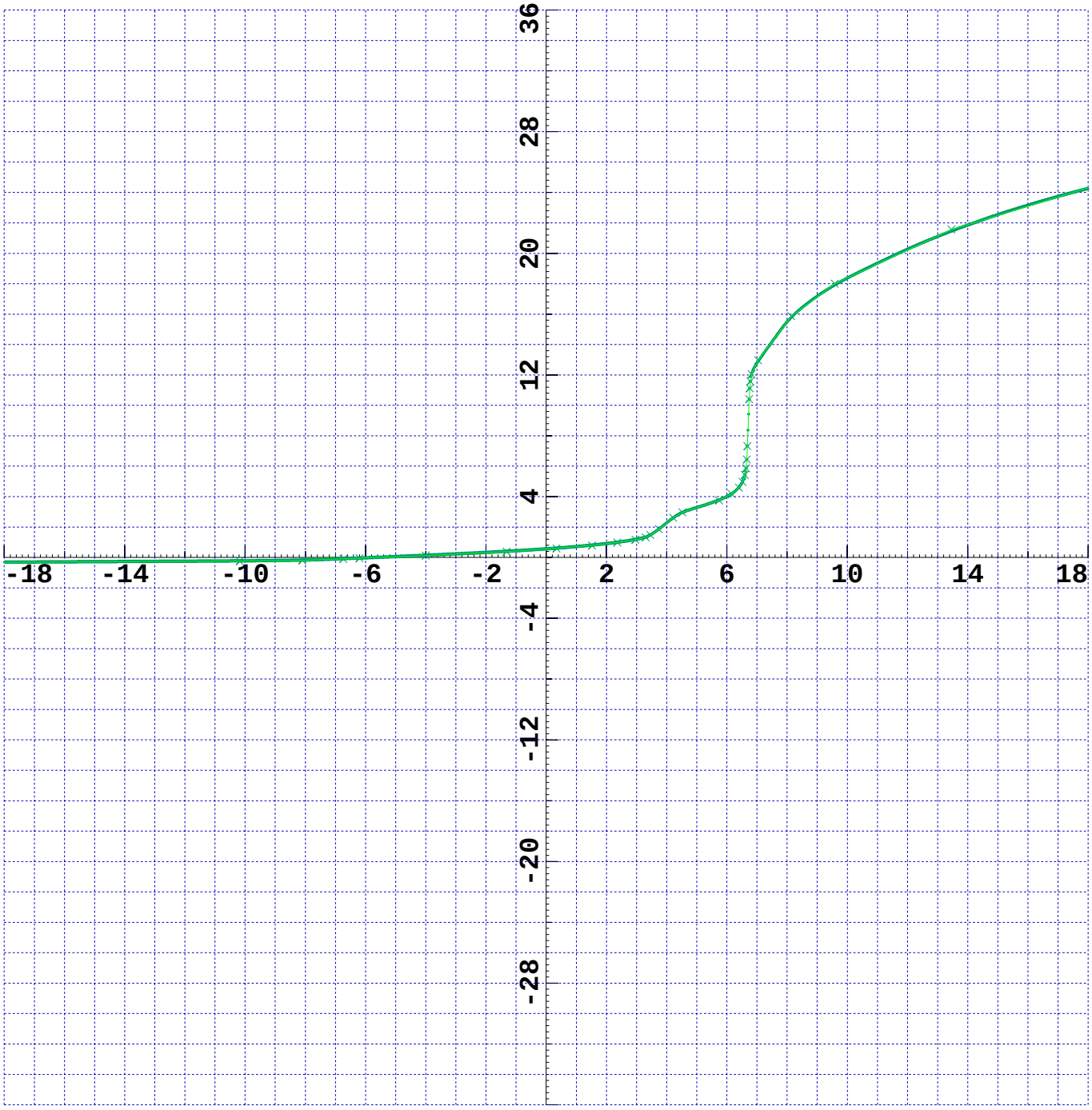


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZWr

Ident: kpfr_030

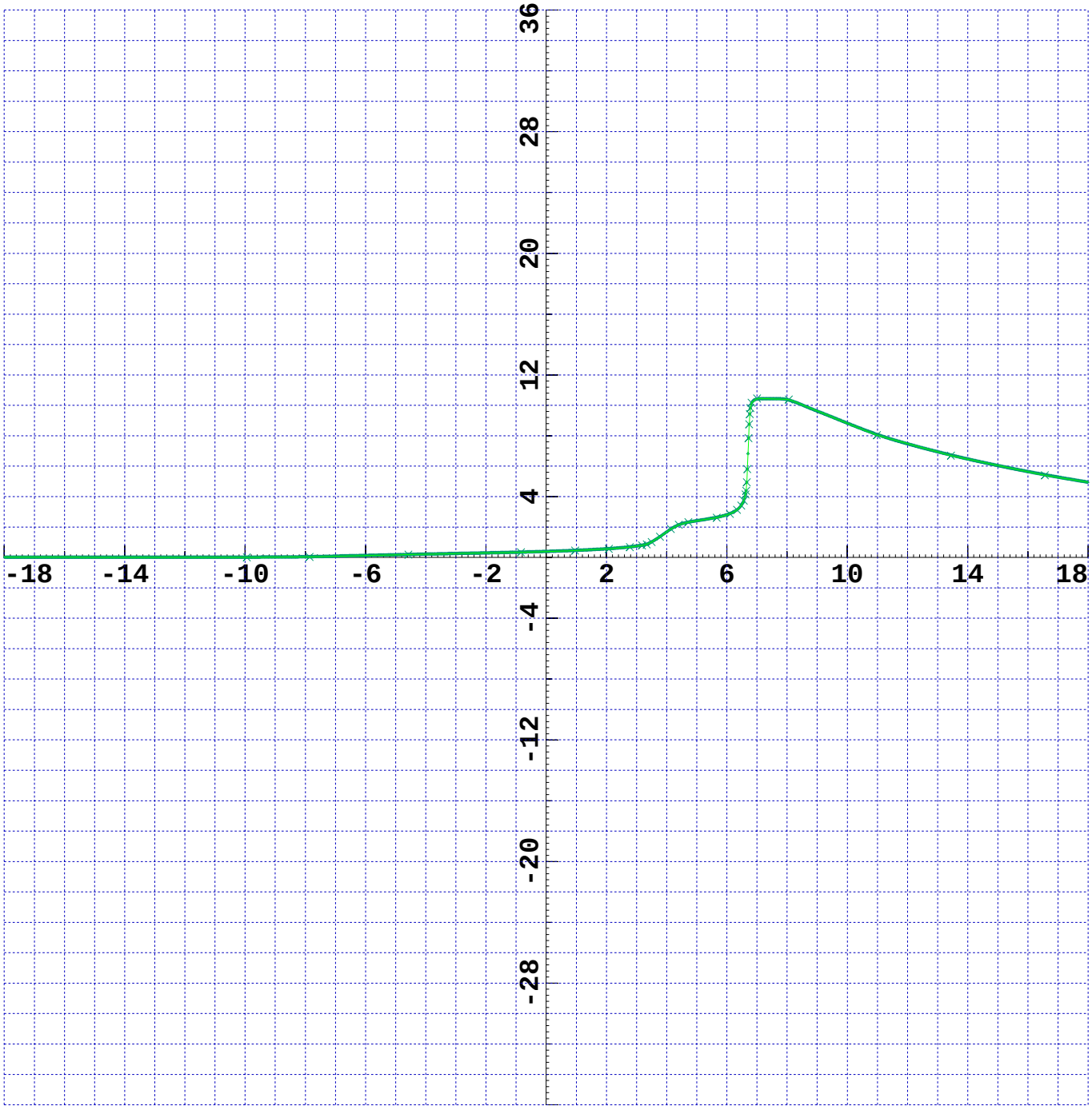
GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZWl

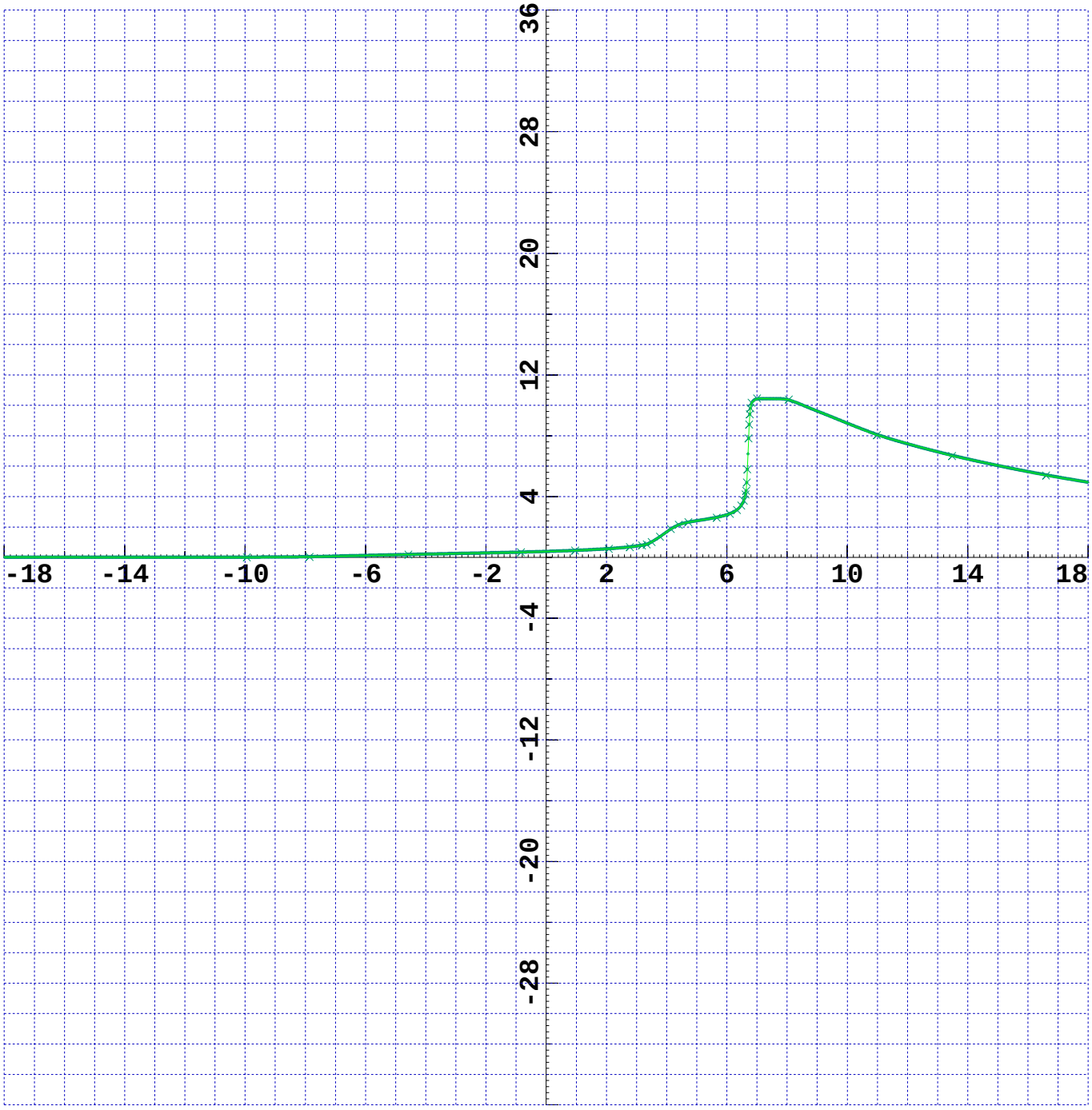
Ident: kpfr_030



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZRr

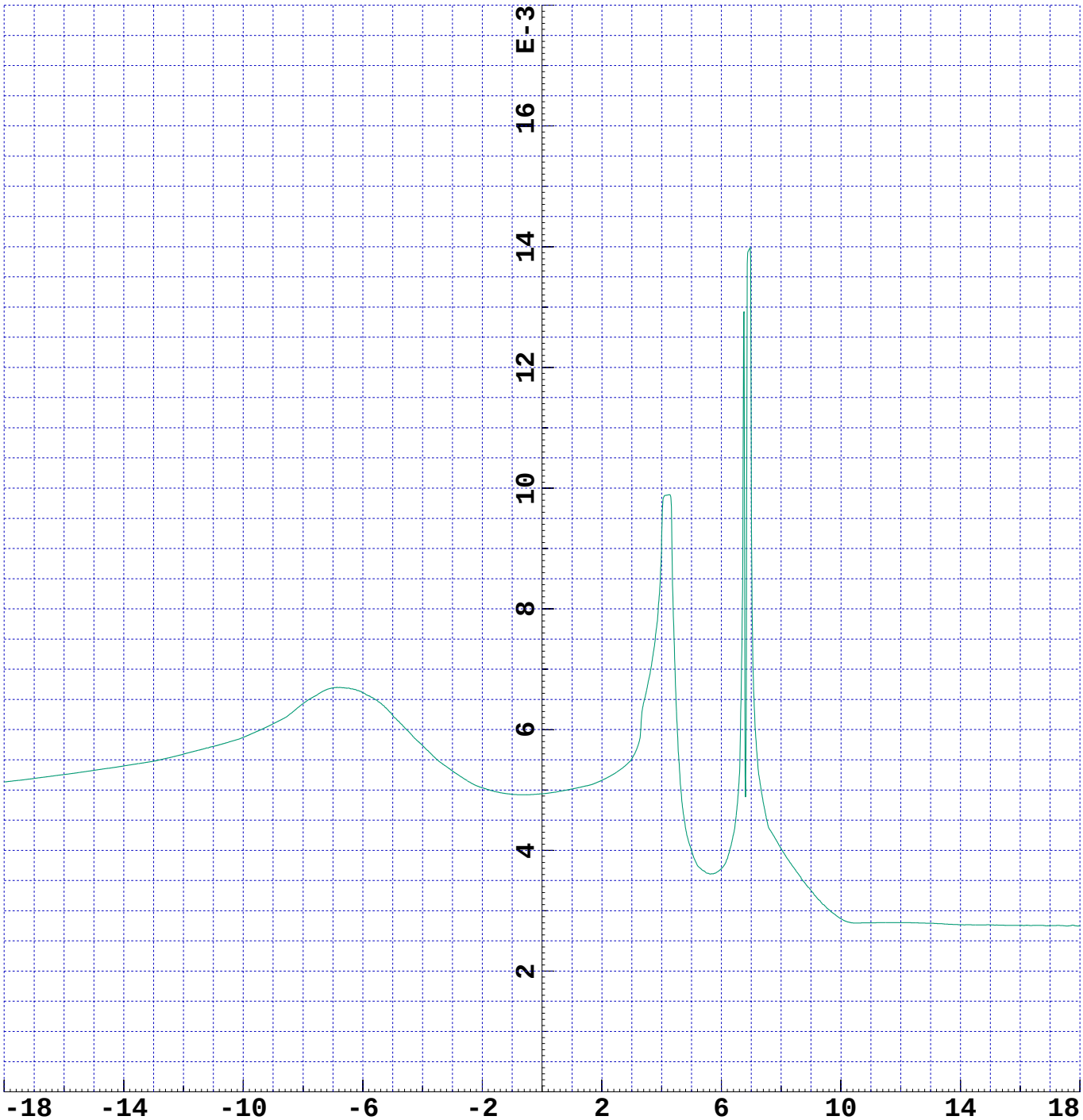
Ident: kpfr_030



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

ZRl

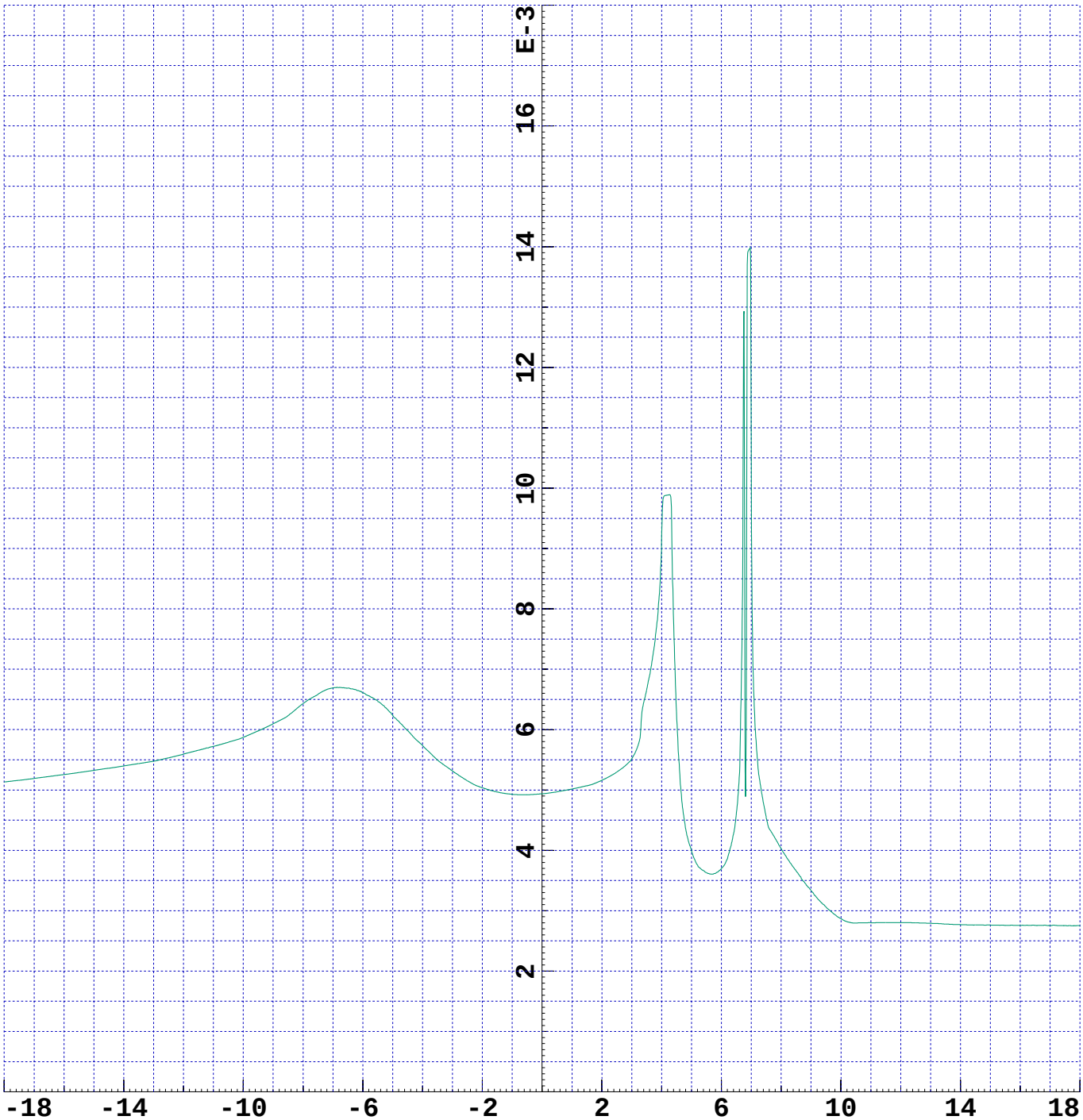
Ident: kpfr_030



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

C_r

Ident: kpfr_030

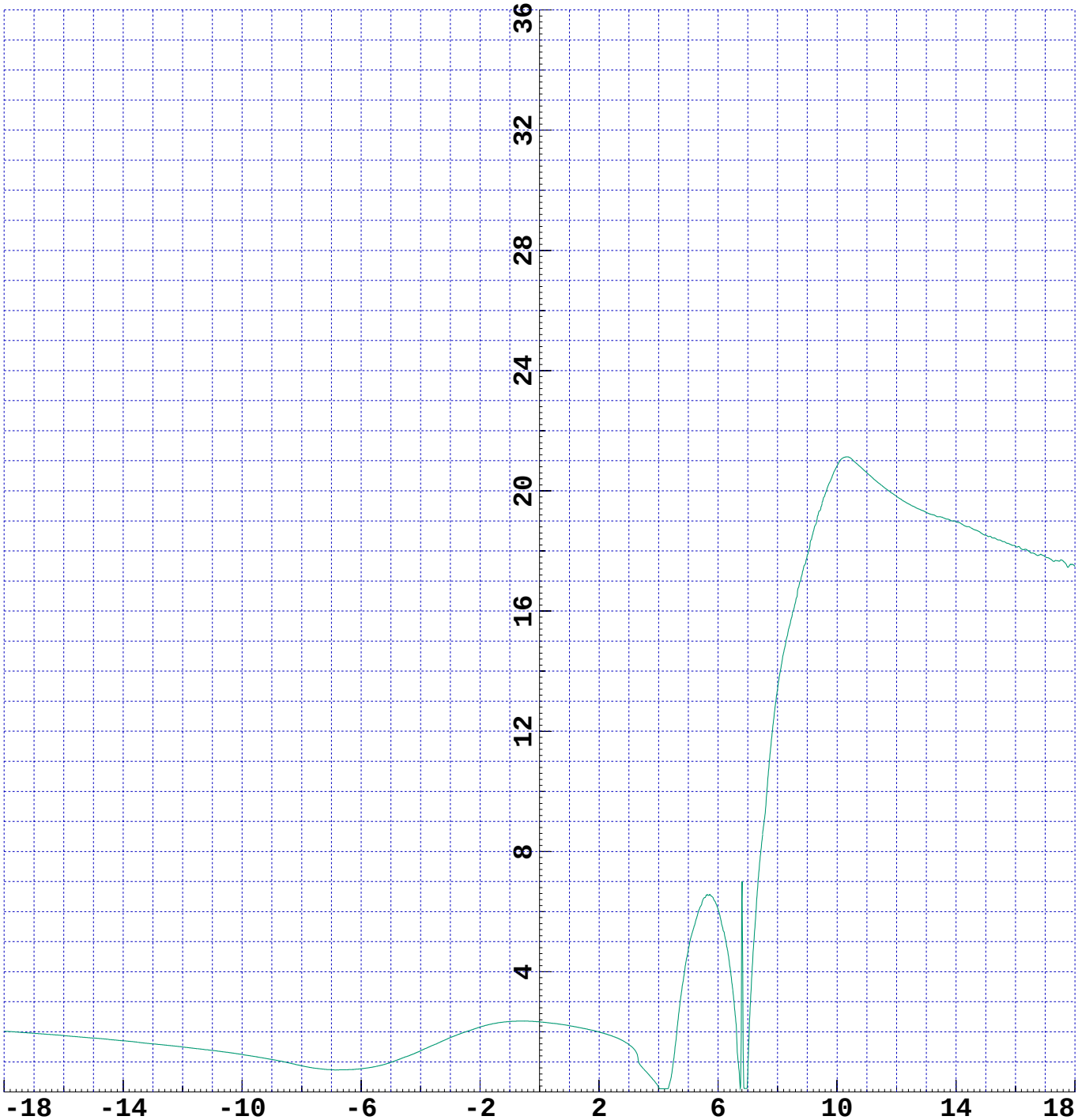


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

C_l

Ident: kpfr_030

GENSYS-KPF.1308

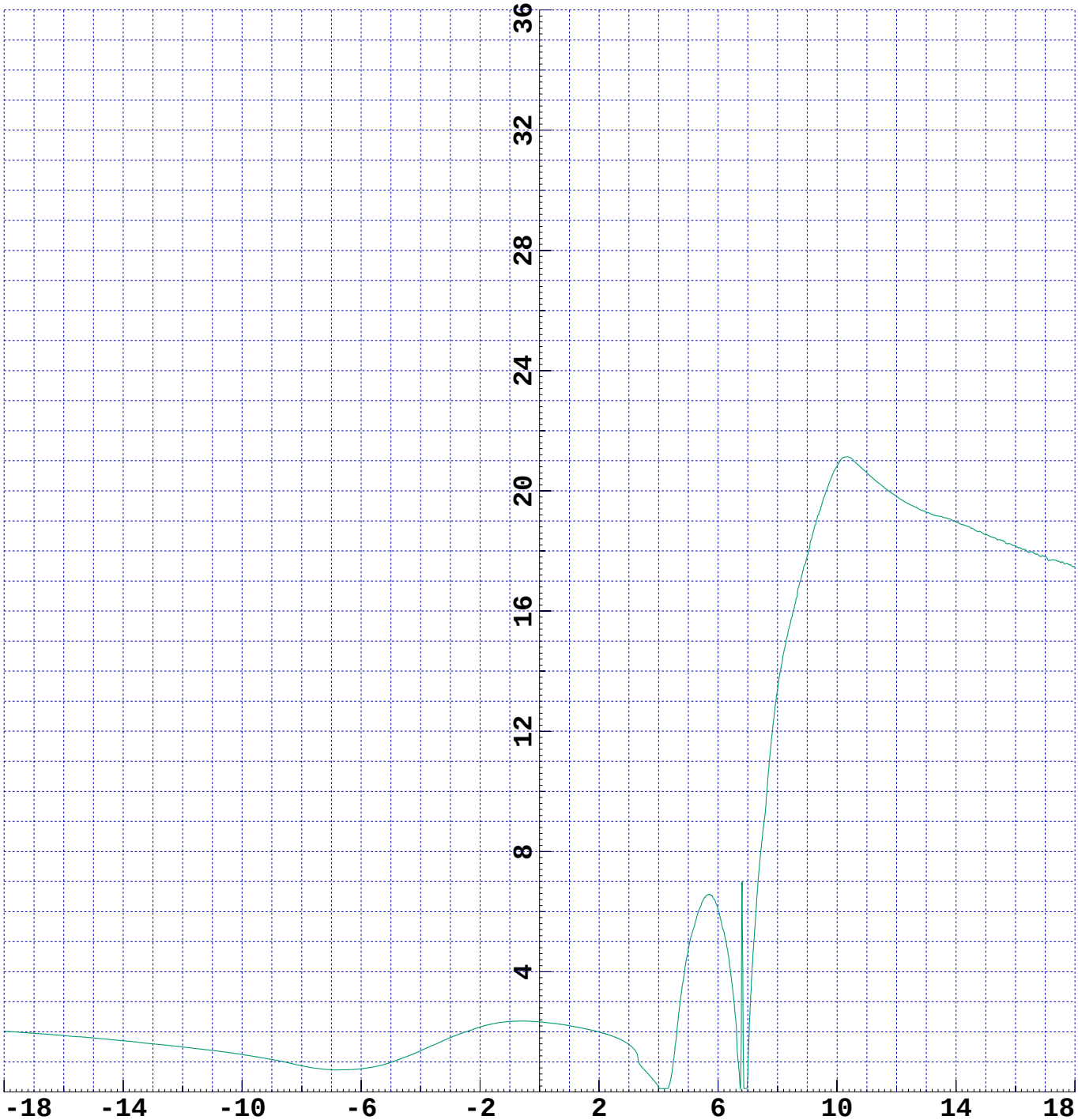


Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

A/B_r

Ident: kpfr_030

GENSYS-KPF.1308



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

A/B_l

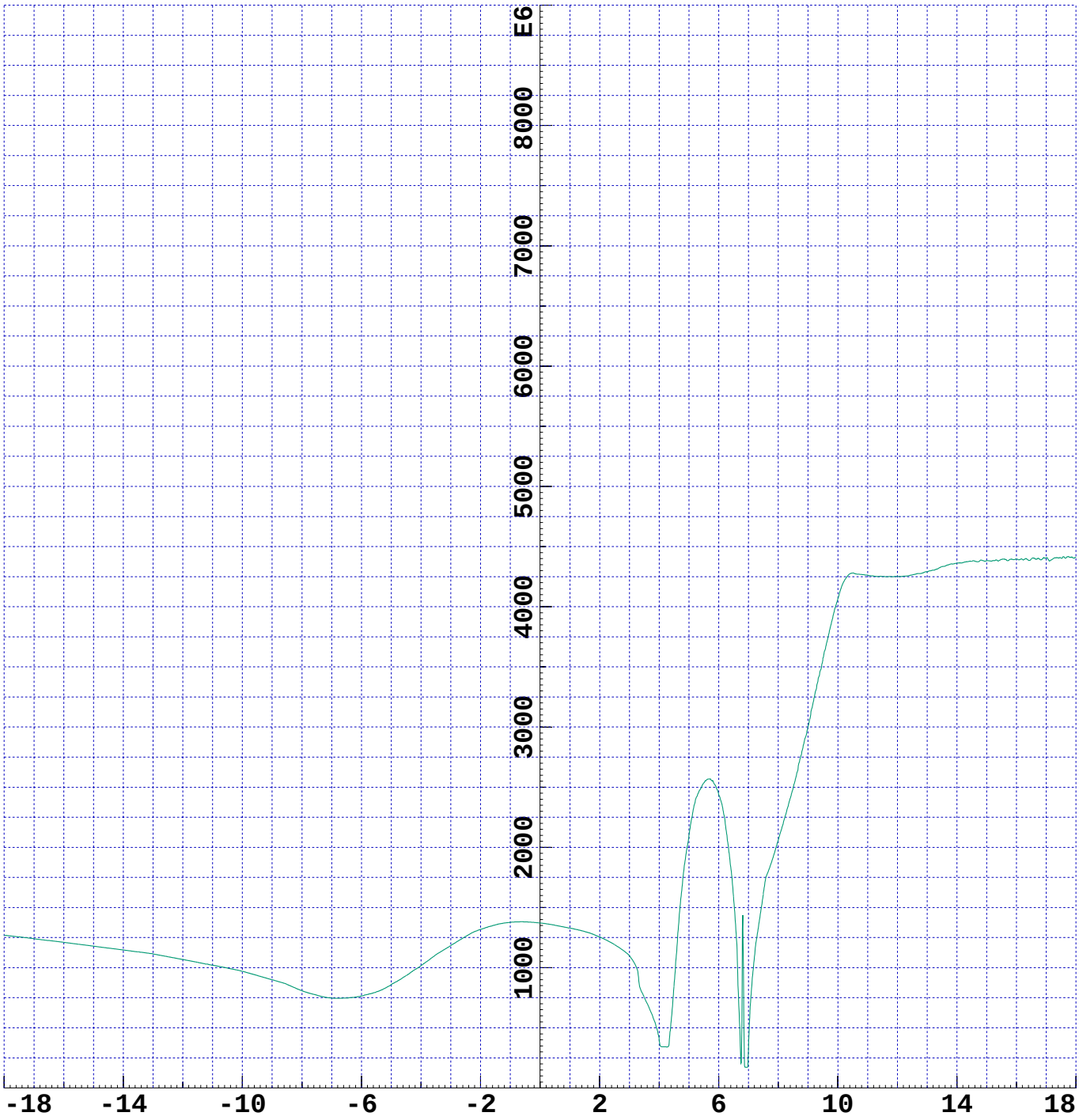
Ident: kpfr_030

GENSYS-KPF.1308

Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

SIGMAr

Ident: kpfr_030



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

SIGMAl

Ident: kpfr_030

GENSYS-KPF.1308

Radial Steering Index

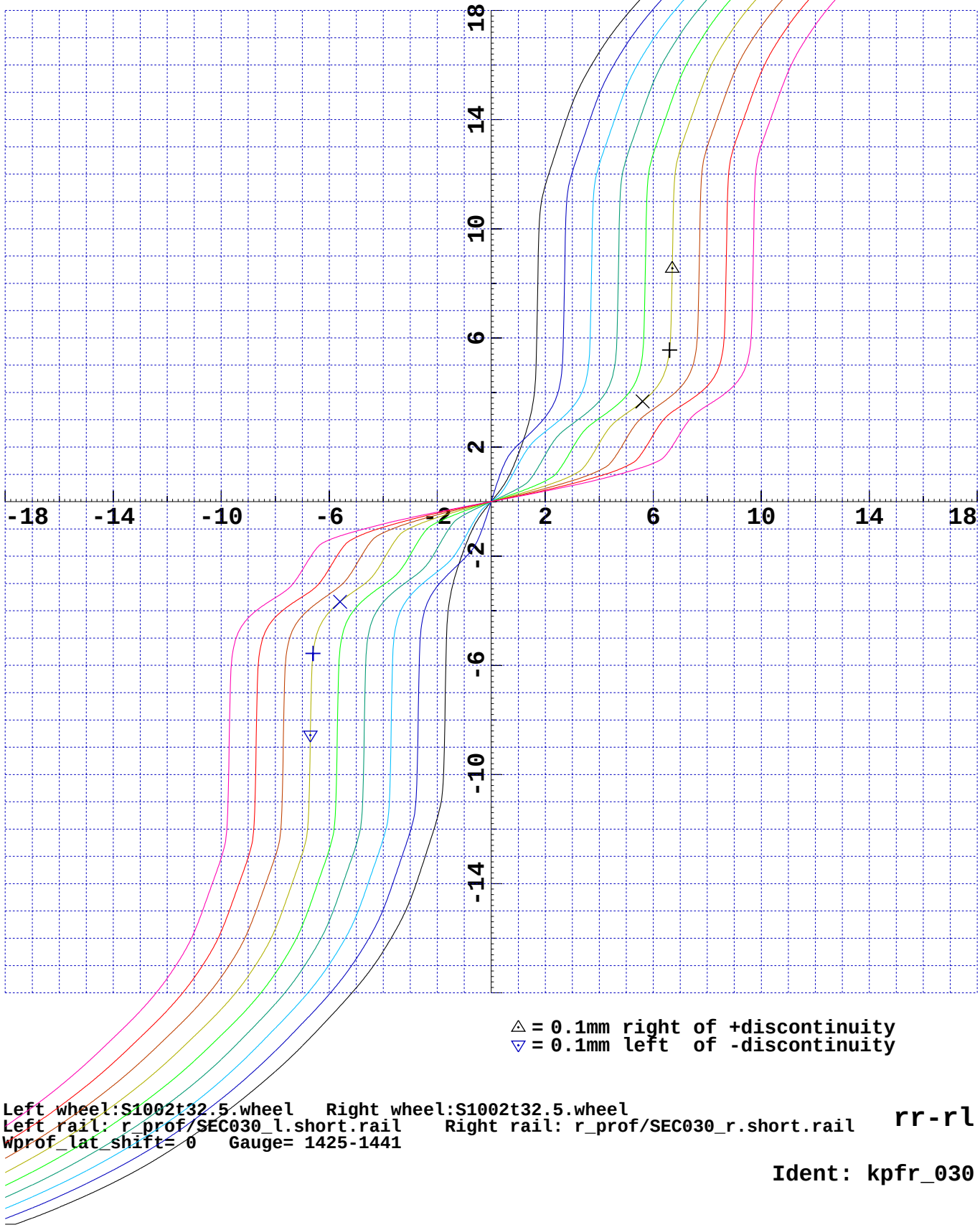
Gauge= 1425
1427
1429
1431
1433
1435
1437
1439
1441

× = Δr_E= 3.67 left curve
× = Δr_E= 3.67 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

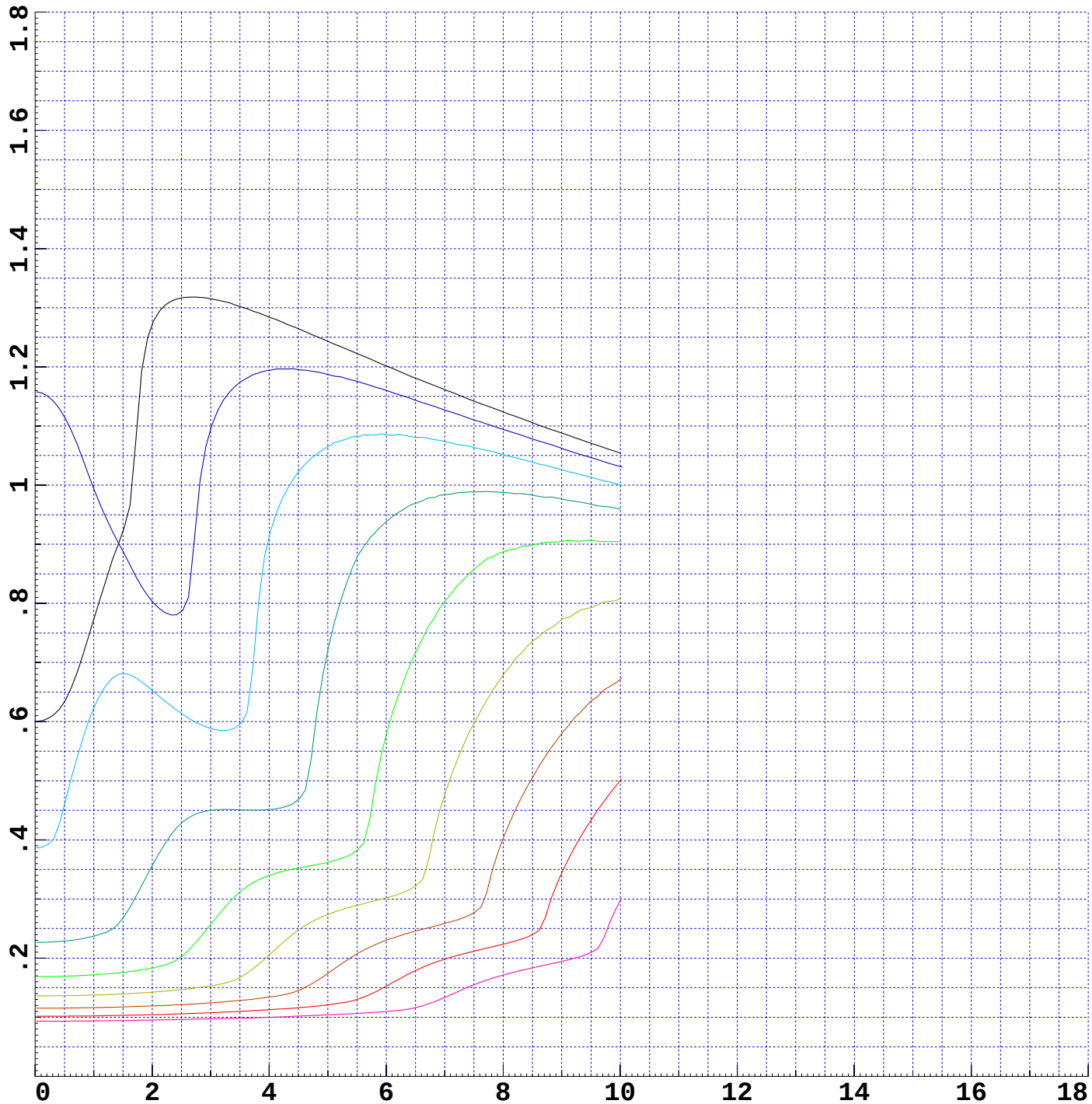
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

rr-rl

Ident: kpfr_030

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



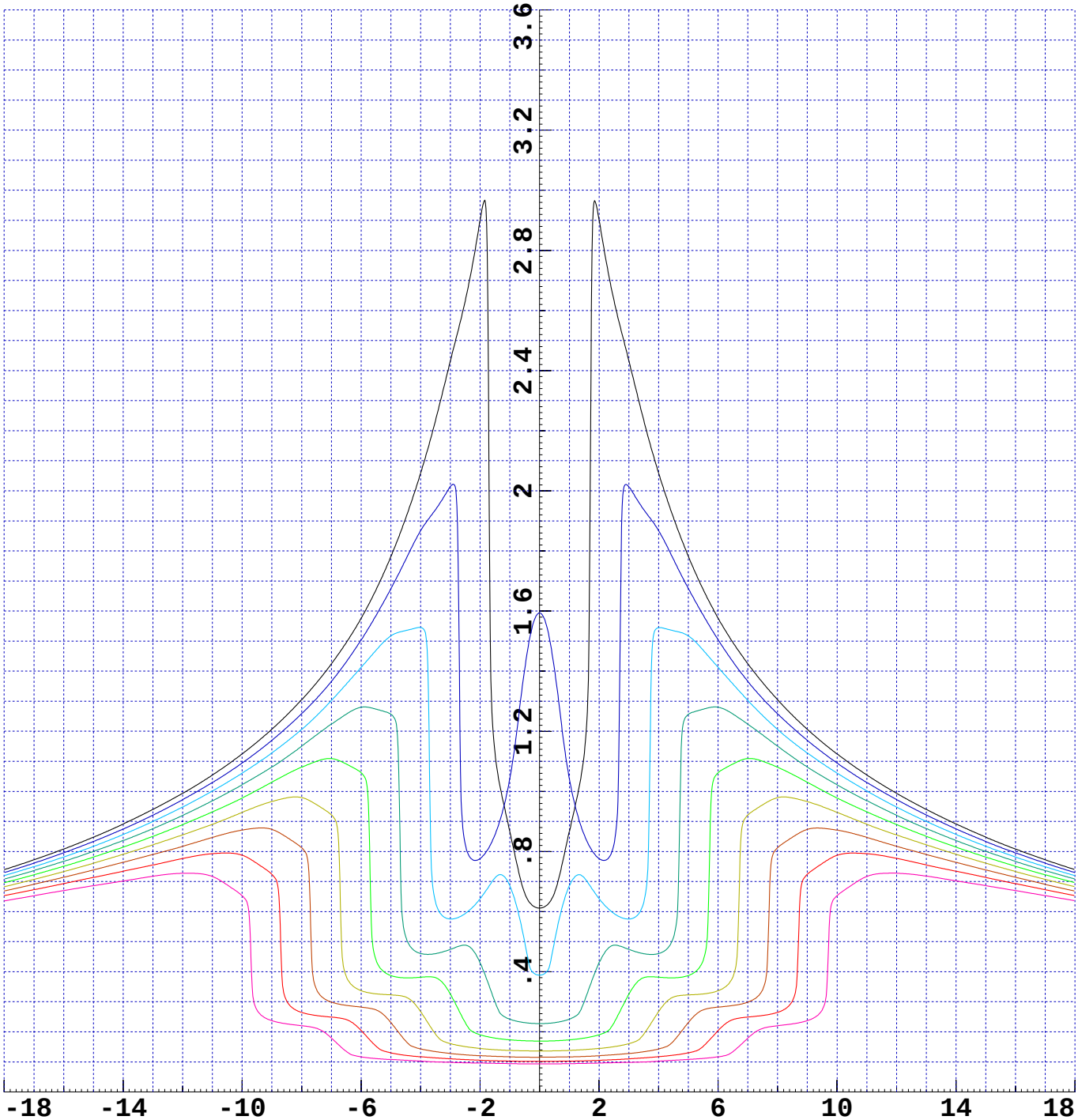
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

UIC519

Ident: kpfr_030

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



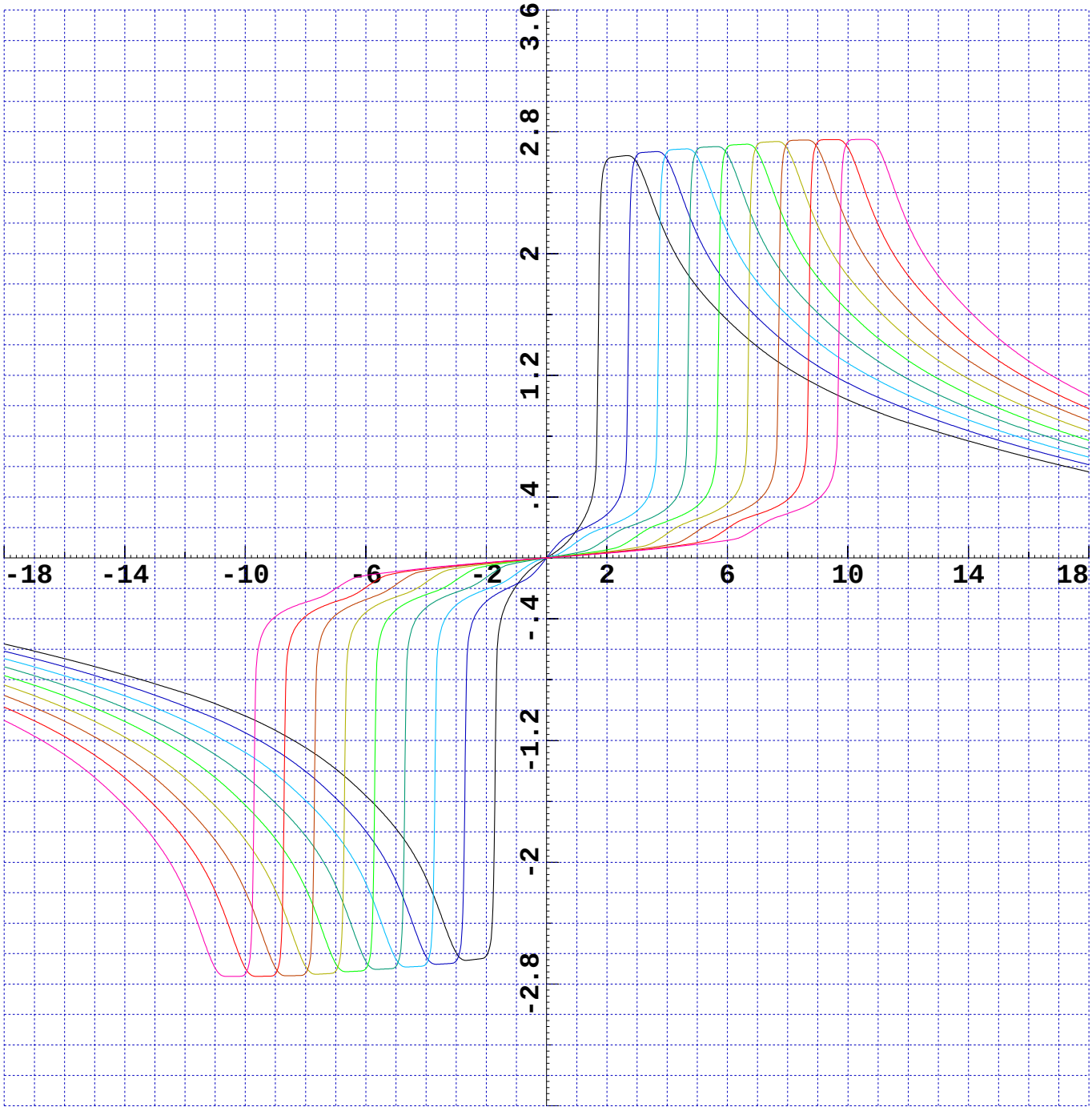
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

lambda

Ident: kpfr_030

GENSYS-KPF.1308

Gauge= 1425
1427
1429
1431
1433
1435
1437
1439
1441



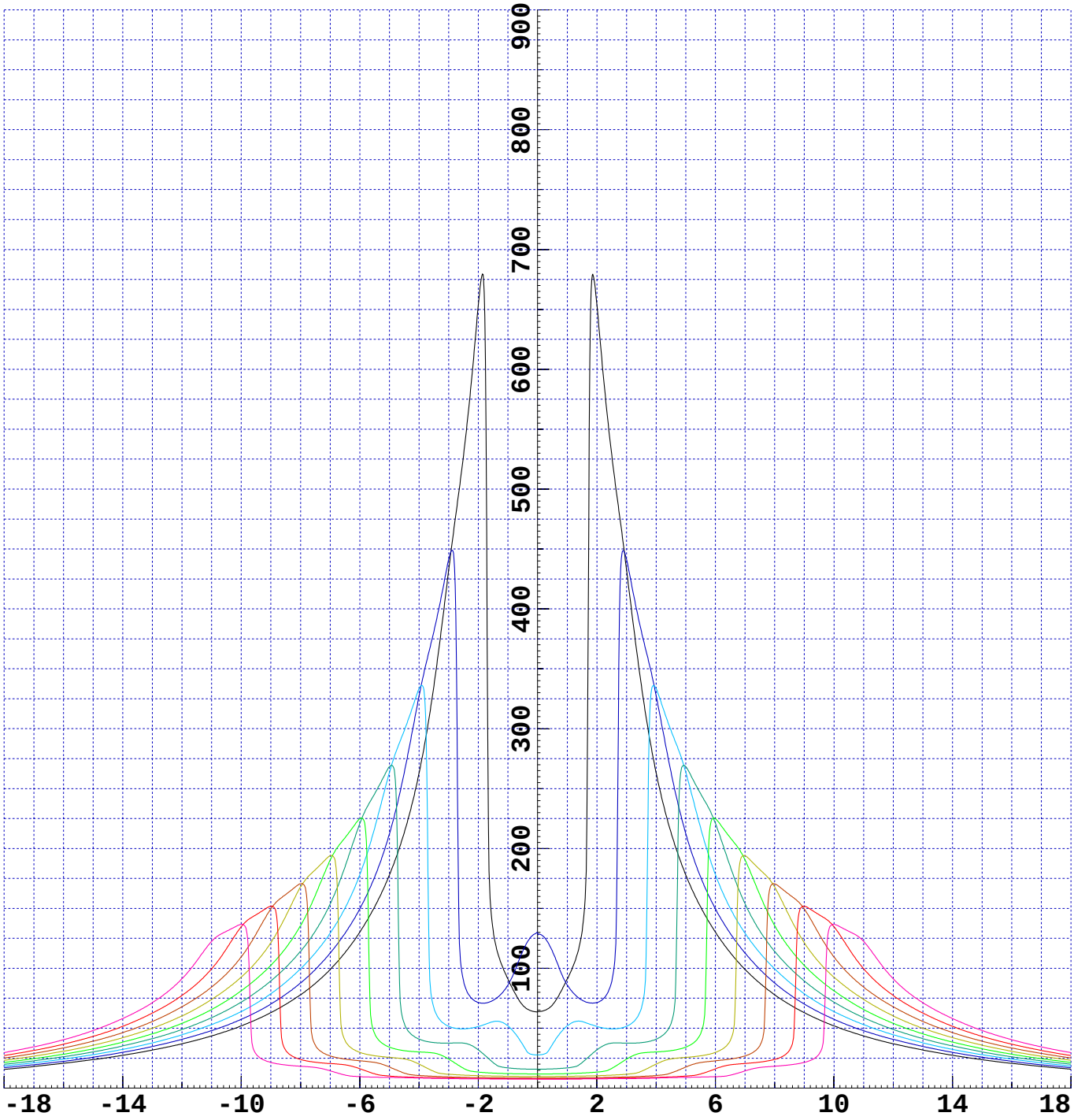
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

tan_Ga

Ident: kpfr_030

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



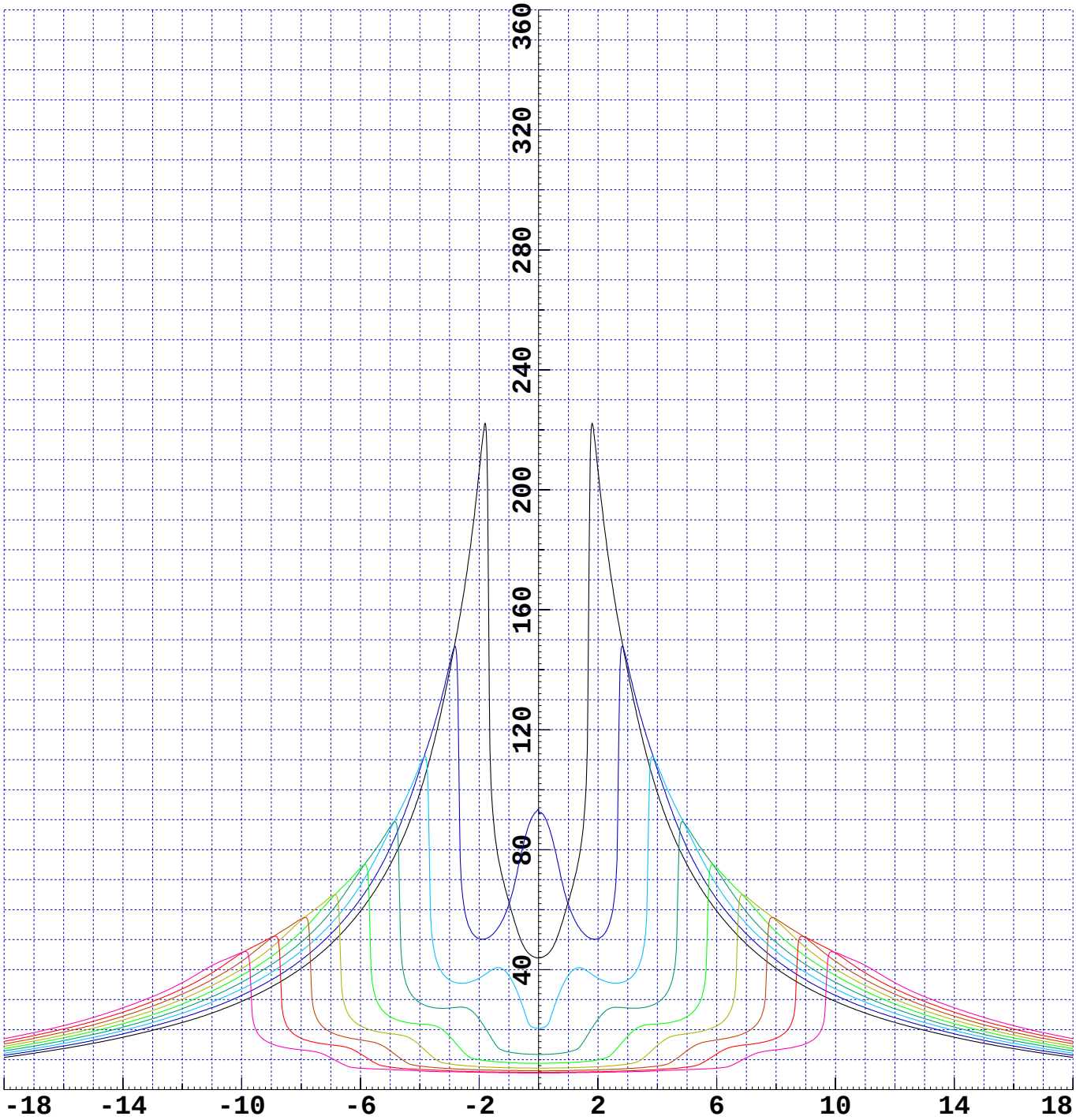
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

KAPPA

Ident: kpfr_030

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



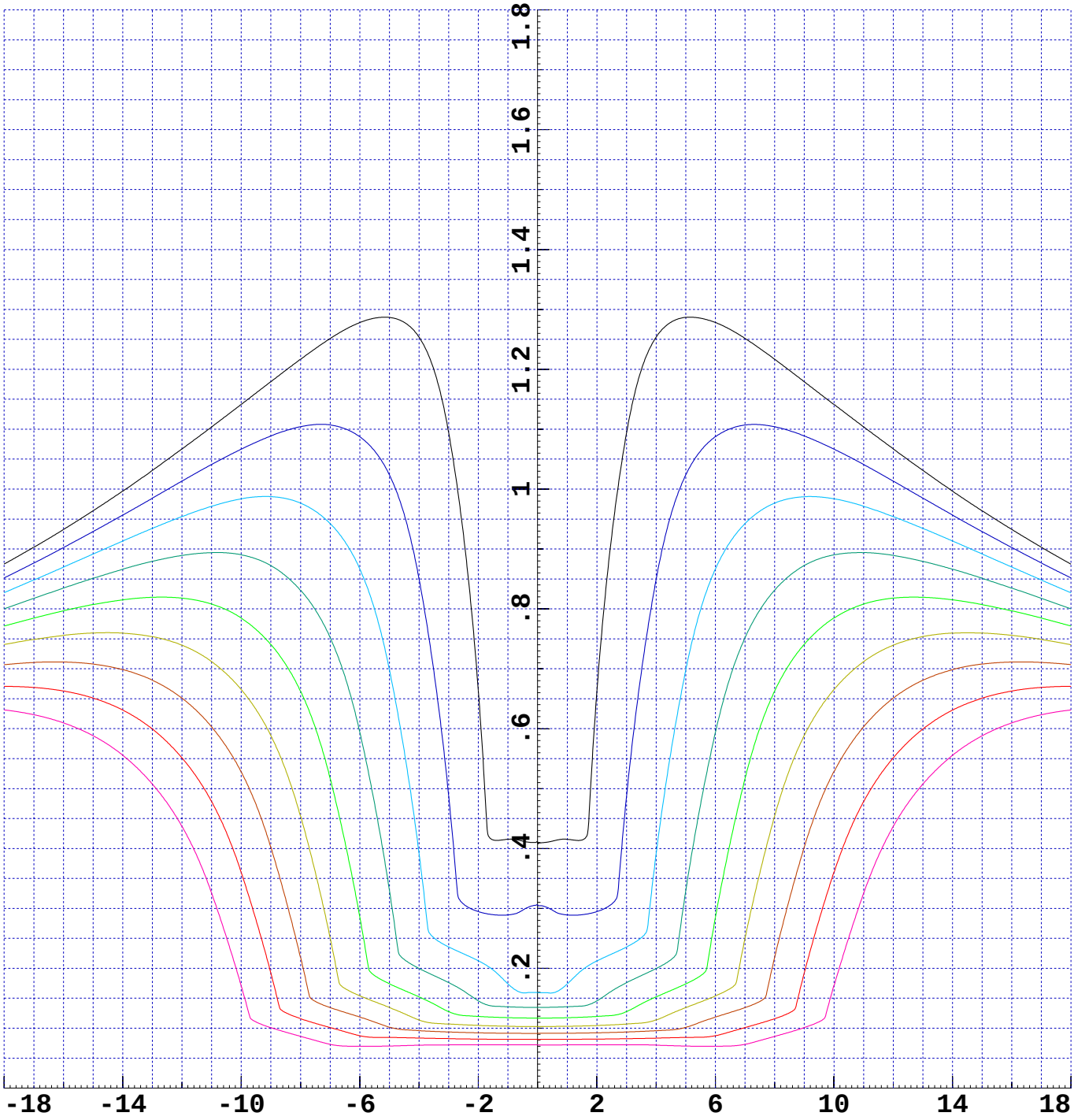
Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

EPS

Ident: kpfr_030

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



Left wheel:S1002t32.5.wheel Right wheel:S1002t32.5.wheel
Left rail: r_prof/SEC030_l.short.rail Right rail: r_prof/SEC030_r.short.rail
Wprof_lat_shift= 0 Gauge= 1425-1441

RollAC

Ident: kpfr_030