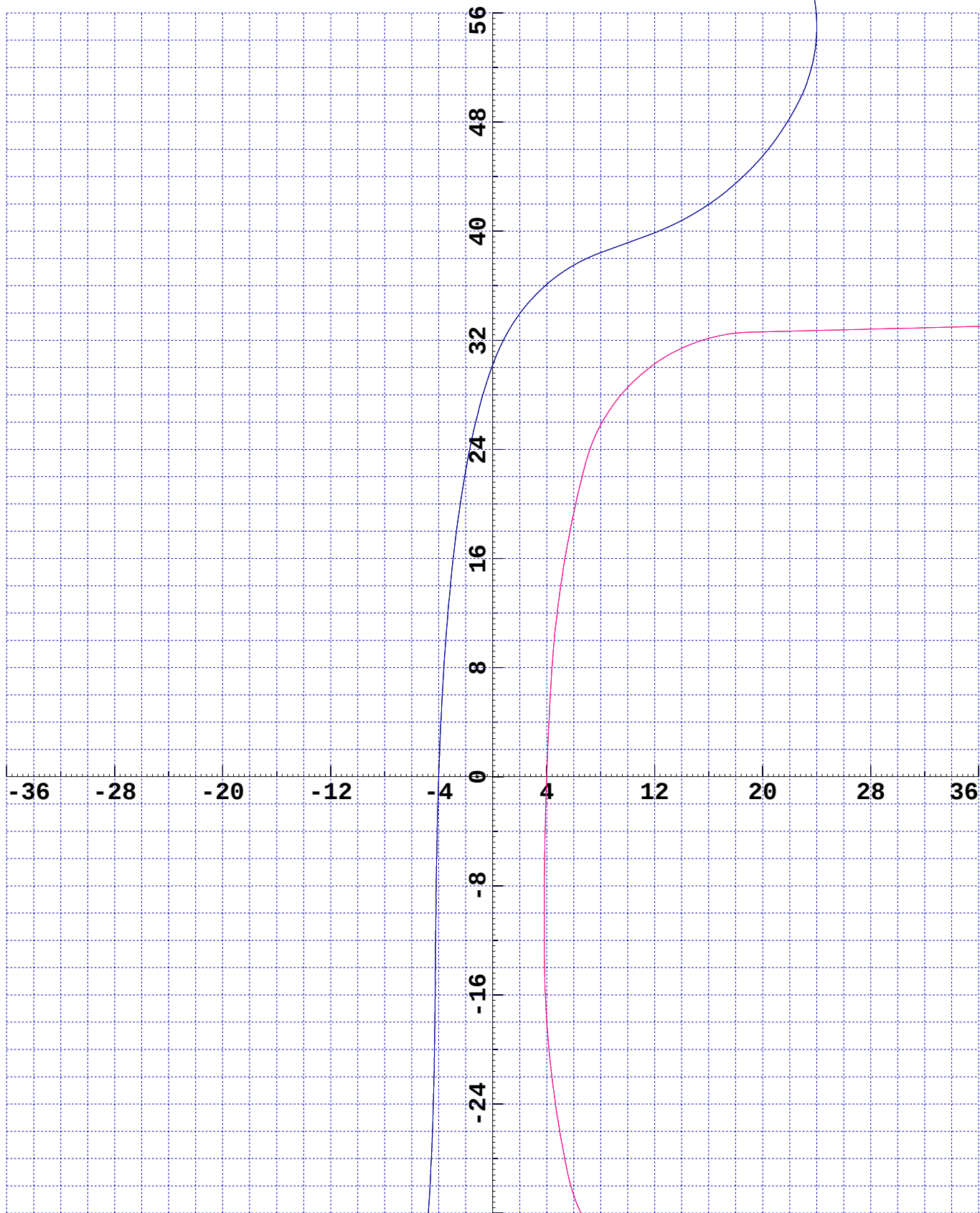
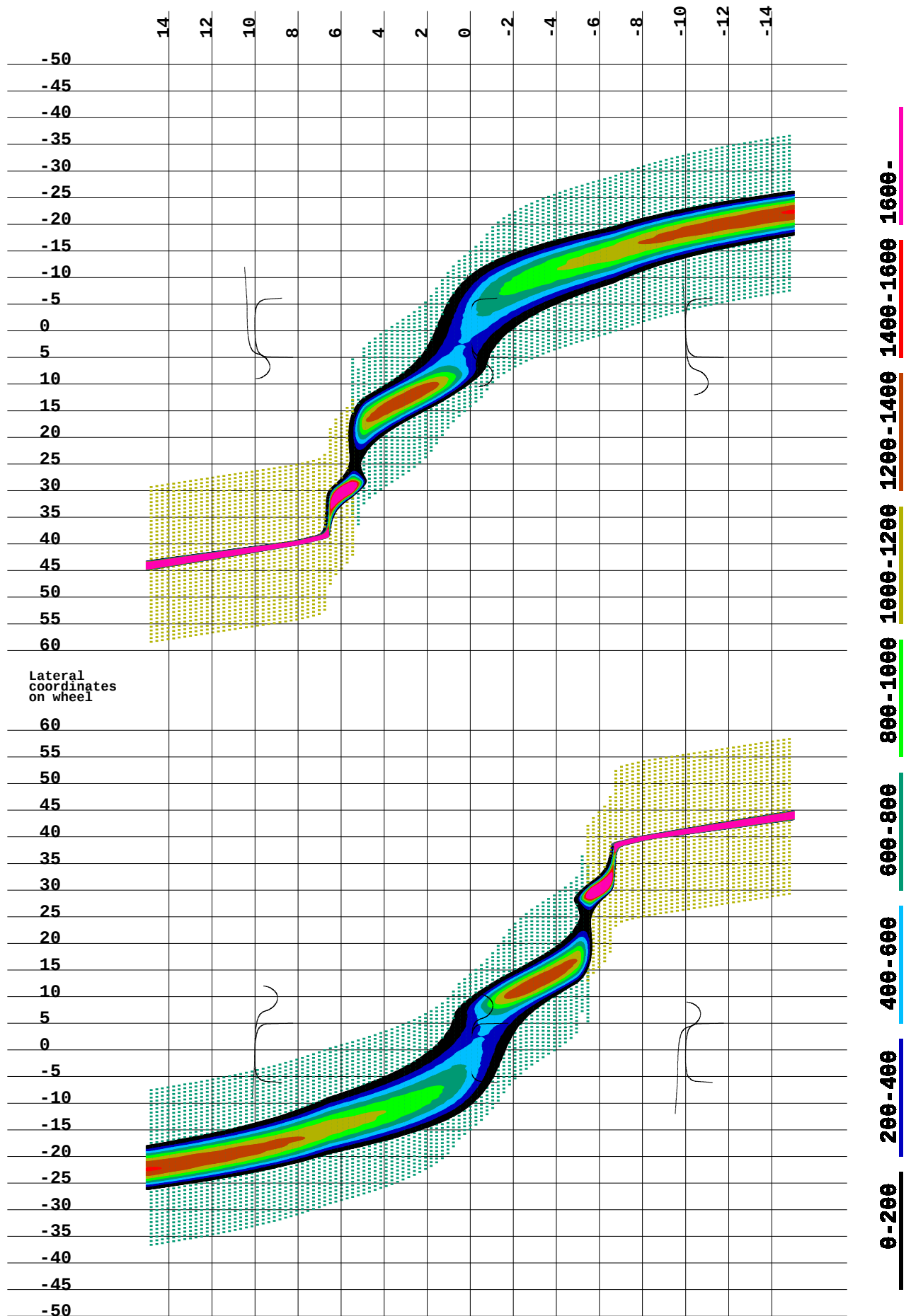


- Right wheel
- Left wheel
- Right rail
- Left rail



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel **WRGEOM**
Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
Wprof_lat_shift= 0 Gauge= 1425-1441 **ENS1002t32.5_uic60i40_c**



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel

Left rail:uic60 incl.1/40

Right rail:uic60 incl.1/40

Wprof_lat_shift= 0 Gauge= 1425-1441

Contact Pressure

GENSYS-KPF.0908

Left wheel

DYH= -12.5

DYH= -12.48

DYH= -12.46

DYH= -12.44

DYH= -12.42

DYH= -12.4

DYH= -12.38

DYH= -12.36

DYH= -12.34

DYH= -12.32

DYH= -12.3

DYH= -12.28

DYH= -12.26

DYH= -12.24

DYH= -12.22

DYH= -12.2

DYH= -12.18

DYH= -12.16

DYH= -12.14

DYH= -12.12

DYH= -12.1

DYH= -12.08

DYH= -12.06

DYH= -12.04

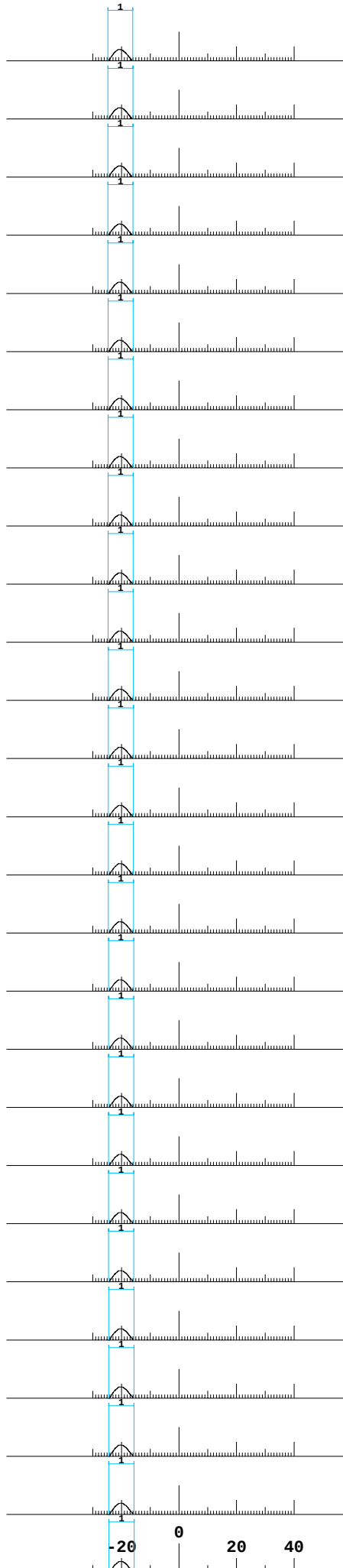
DYH= -12.02

DYH= -12

DYH= -11.98

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -11.96

DYH= -11.94

DYH= -11.92

DYH= -11.9

DYH= -11.88

DYH= -11.86

DYH= -11.84

DYH= -11.82

DYH= -11.8

DYH= -11.78

DYH= -11.76

DYH= -11.74

DYH= -11.72

DYH= -11.7

DYH= -11.68

DYH= -11.66

DYH= -11.64

DYH= -11.62

DYH= -11.6

DYH= -11.58

DYH= -11.56

DYH= -11.54

DYH= -11.52

DYH= -11.5

DYH= -11.48

DYH= -11.46

DYH= -11.44

Lateral motion of the contact point

Right wheel

1

1

1

1

1

1

1

1

1

1

1

1

1

GENSYS-KPF.0908

Left wheel

DYH= -11.42

DYH= -11.4

DYH= -11.38

DYH= -11.36

DYH= -11.34

DYH= -11.32

DYH= -11.3

DYH= -11.28

DYH= -11.26

DYH= -11.24

DYH= -11.22

DYH= -11.2

DYH= -11.18

DYH= -11.16

DYH= -11.14

DYH= -11.12

DYH= -11.1

DYH= -11.08

DYH= -11.06

DYH= -11.04

DYH= -11.02

DYH= -11

DYH= -10.98

DYH= -10.96

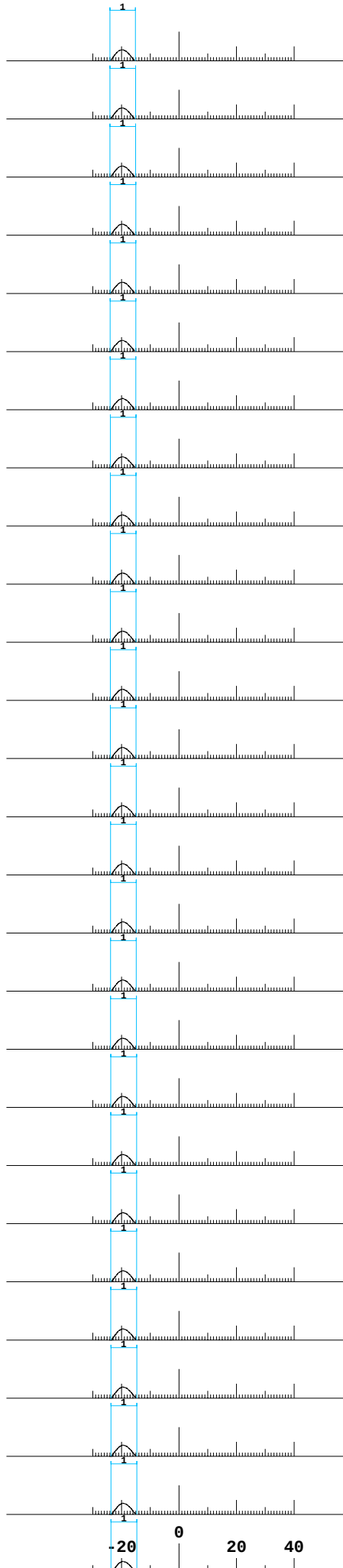
DYH= -10.94

DYH= -10.92

DYH= -10.9

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -10.88

DYH= -10.86

DYH= -10.84

DYH= -10.82

DYH= -10.8

DYH= -10.78

DYH= -10.76

DYH= -10.74

DYH= -10.72

DYH= -10.7

DYH= -10.68

DYH= -10.66

DYH= -10.64

DYH= -10.62

DYH= -10.6

DYH= -10.58

DYH= -10.56

DYH= -10.54

DYH= -10.52

DYH= -10.5

DYH= -10.48

DYH= -10.46

DYH= -10.44

DYH= -10.42

DYH= -10.4

DYH= -10.38

DYH= -10.36

Lateral motion of the contact point

Right wheel

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

GENSYS-KPF.0908

Left wheel

DYH= -10.34

DYH= -10.32

DYH= -10.3

DYH= -10.28

DYH= -10.26

DYH= -10.24

DYH= -10.22

DYH= -10.2

DYH= -10.18

DYH= -10.16

DYH= -10.14

DYH= -10.12

DYH= -10.1

DYH= -10.08

DYH= -10.06

DYH= -10.04

DYH= -10.02

DYH= -10

DYH= -9.98

DYH= -9.96

DYH= -9.94

DYH= -9.92

DYH= -9.9

DYH= -9.88

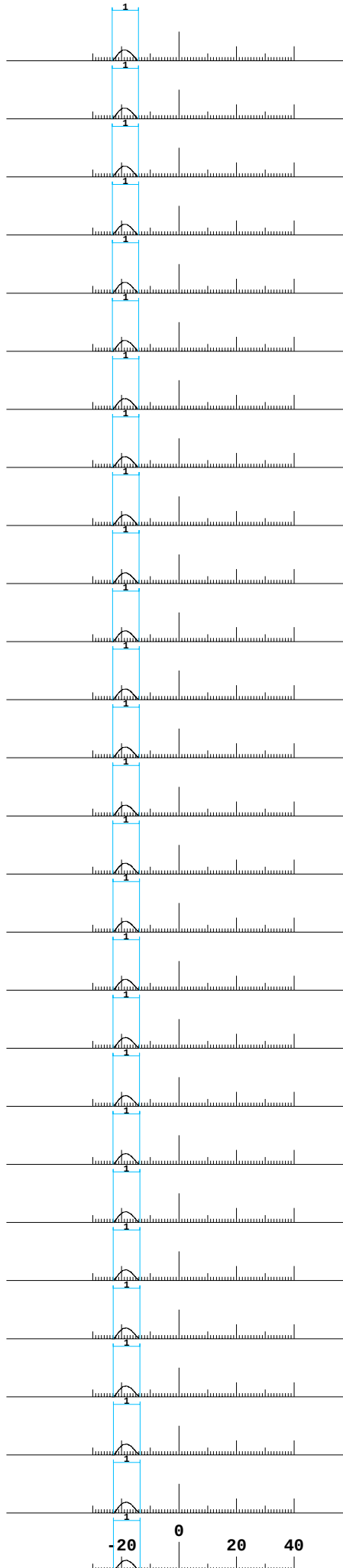
DYH= -9.86

DYH= -9.84

DYH= -9.82

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -9.8

DYH= -9.78

DYH= -9.76

DYH= -9.74

DYH= -9.72

DYH= -9.7

DYH= -9.68

DYH= -9.66

DYH= -9.64

DYH= -9.62

DYH= -9.6

DYH= -9.58

DYH= -9.56

DYH= -9.54

DYH= -9.52

DYH= -9.5

DYH= -9.48

DYH= -9.46

DYH= -9.44

DYH= -9.42

DYH= -9.4

DYH= -9.38

DYH= -9.36

DYH= -9.34

DYH= -9.32

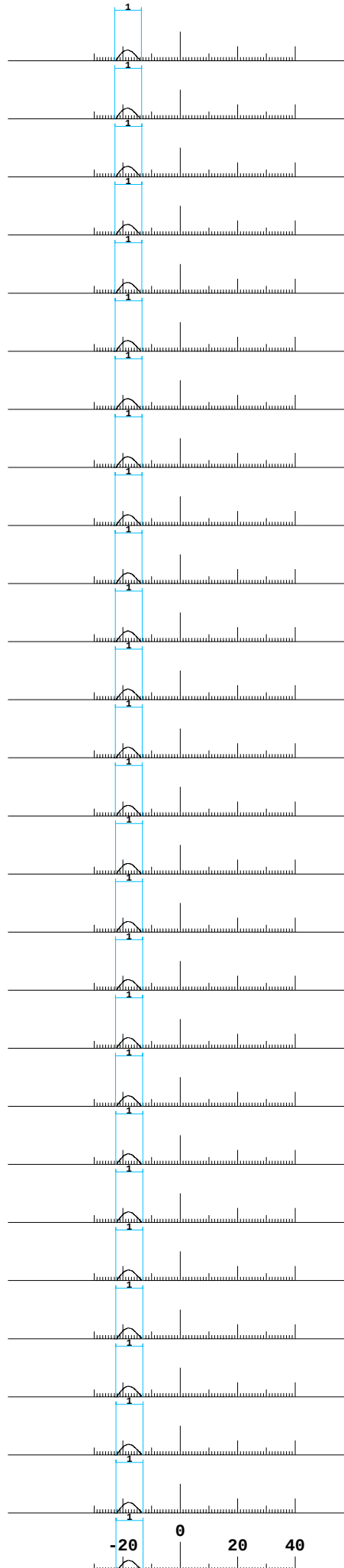
DYH= -9.3

DYH= -9.28

-20 0 20 40

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -9.26

DYH= -9.24

DYH= -9.22

DYH= -9.2

DYH= -9.18

DYH= -9.16

DYH= -9.14

DYH= -9.12

DYH= -9.1

DYH= -9.08

DYH= -9.06

DYH= -9.04

DYH= -9.02

DYH= -9

DYH= -8.98

DYH= -8.96

DYH= -8.94

DYH= -8.92

DYH= -8.9

DYH= -8.88

DYH= -8.86

DYH= -8.84

DYH= -8.82

DYH= -8.8

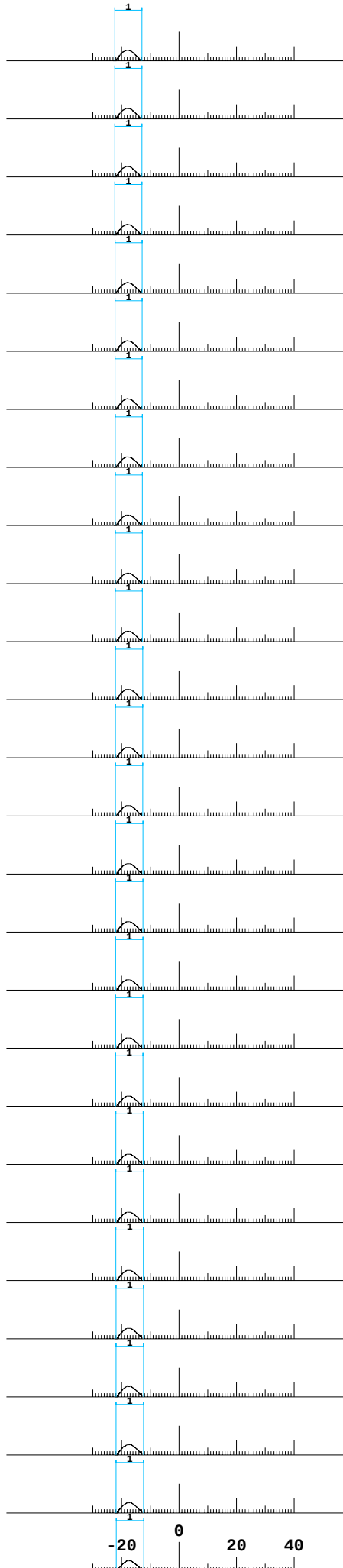
DYH= -8.78

DYH= -8.76

DYH= -8.74

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -8.72

DYH= -8.7

DYH= -8.68

DYH= -8.66

DYH= -8.64

DYH= -8.62

DYH= -8.6

DYH= -8.58

DYH= -8.56

DYH= -8.54

DYH= -8.52

DYH= -8.5

DYH= -8.48

DYH= -8.46

DYH= -8.44

DYH= -8.42

DYH= -8.4

DYH= -8.38

DYH= -8.36

DYH= -8.34

DYH= -8.32

DYH= -8.3

DYH= -8.28

DYH= -8.26

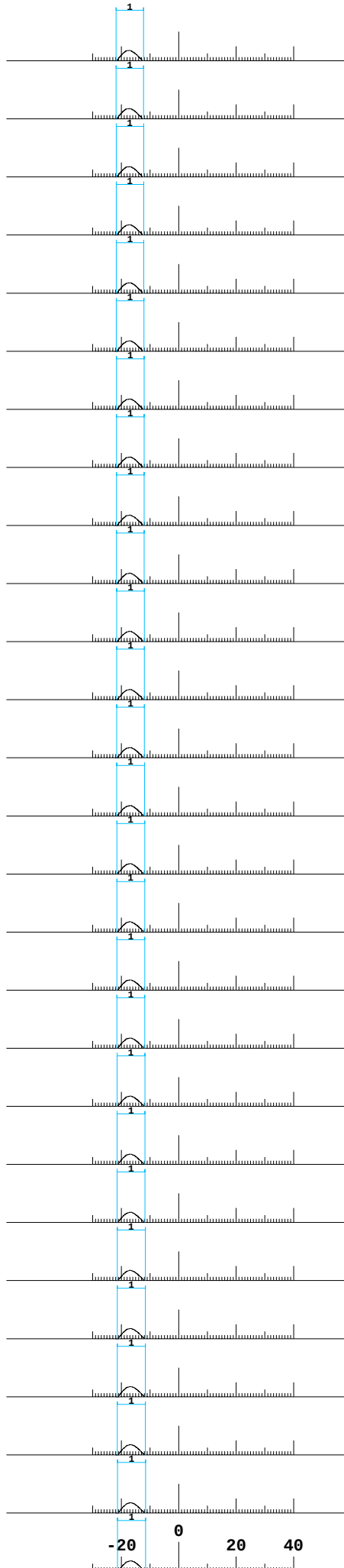
DYH= -8.24

DYH= -8.22

DYH= -8.2 -20 0 20 40

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -8.18

DYH= -8.16

DYH= -8.14

DYH= -8.12

DYH= -8.1

DYH= -8.08

DYH= -8.06

DYH= -8.04

DYH= -8.02

DYH= -8

DYH= -7.98

DYH= -7.96

DYH= -7.94

DYH= -7.92

DYH= -7.9

DYH= -7.88

DYH= -7.86

DYH= -7.84

DYH= -7.82

DYH= -7.8

DYH= -7.78

DYH= -7.76

DYH= -7.74

DYH= -7.72

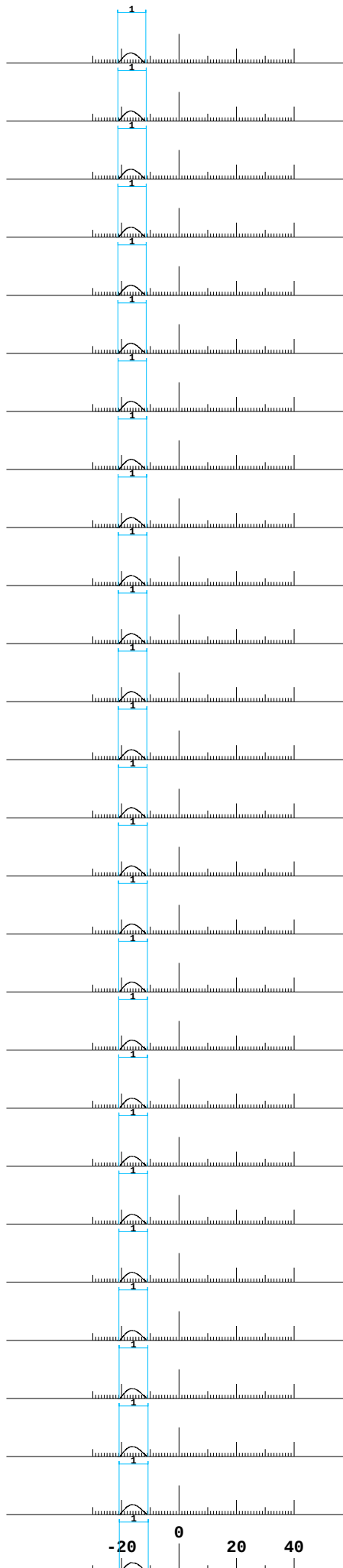
DYH= -7.7

DYH= -7.68

DYH= -7.66

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -7.64

DYH= -7.62

DYH= -7.6

DYH= -7.58

DYH= -7.56

DYH= -7.54

DYH= -7.52

DYH= -7.5

DYH= -7.48

DYH= -7.46

DYH= -7.44

DYH= -7.42

DYH= -7.4

DYH= -7.38

DYH= -7.36

DYH= -7.34

DYH= -7.32

DYH= -7.3

DYH= -7.28

DYH= -7.26

DYH= -7.24

DYH= -7.22

DYH= -7.2

DYH= -7.18

DYH= -7.16

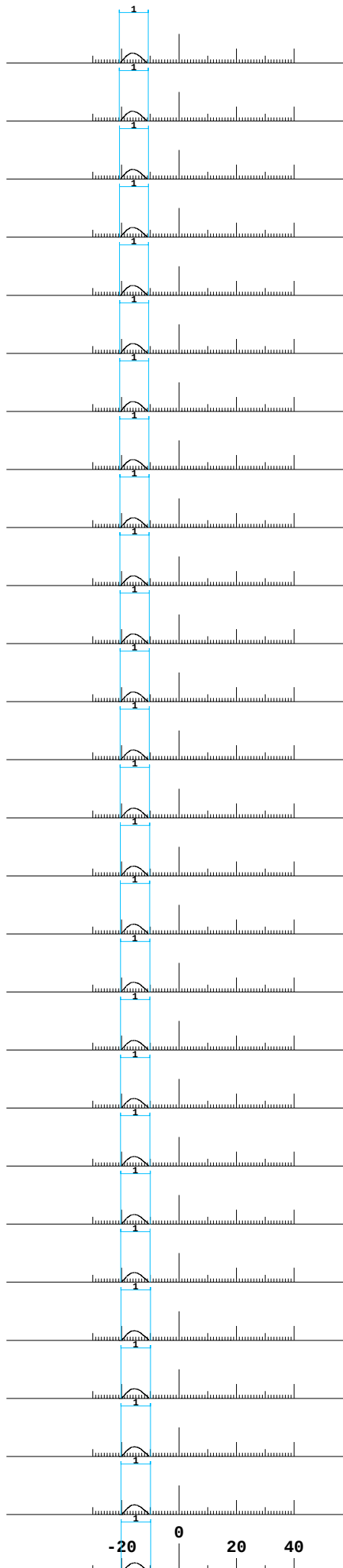
DYH= -7.14

DYH= -7.12

-20 0 20 40

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -7.1

DYH= -7.08

DYH= -7.06

DYH= -7.04

DYH= -7.02

DYH= -7

DYH= -6.98

DYH= -6.96

DYH= -6.94

DYH= -6.92

DYH= -6.9

DYH= -6.88

DYH= -6.86

DYH= -6.84

DYH= -6.82

DYH= -6.8

DYH= -6.78

DYH= -6.76

DYH= -6.74

DYH= -6.72

DYH= -6.7

DYH= -6.68

DYH= -6.66

DYH= -6.64

DYH= -6.62

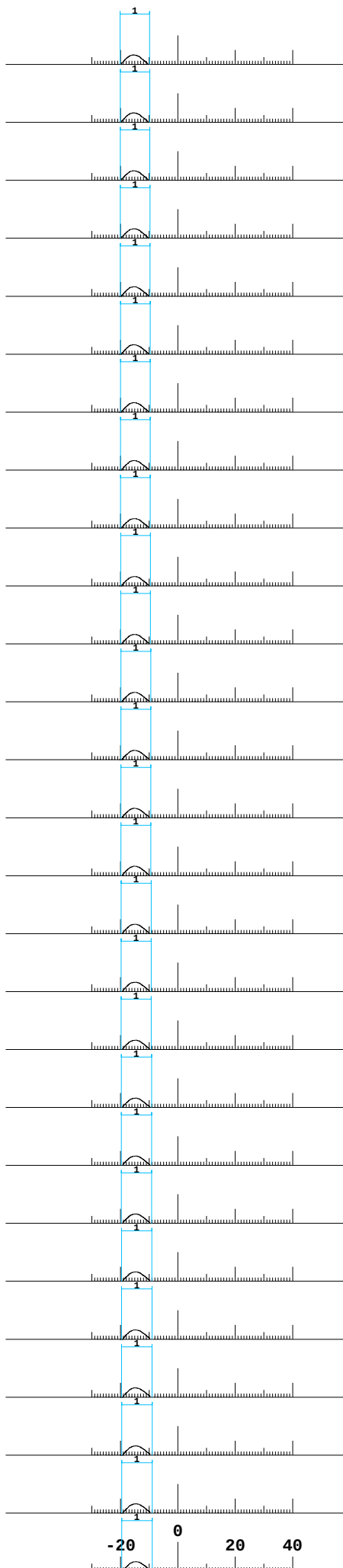
DYH= -6.6

DYH= -6.58

-20 0 20 40

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -6.56

DYH= -6.54

DYH= -6.52

DYH= -6.5

DYH= -6.48

DYH= -6.46

DYH= -6.44

DYH= -6.42

DYH= -6.4

DYH= -6.38

DYH= -6.36

DYH= -6.34

DYH= -6.32

DYH= -6.3

DYH= -6.28

DYH= -6.26

DYH= -6.24

DYH= -6.22

DYH= -6.2

DYH= -6.18

DYH= -6.16

DYH= -6.14

DYH= -6.12

DYH= -6.1

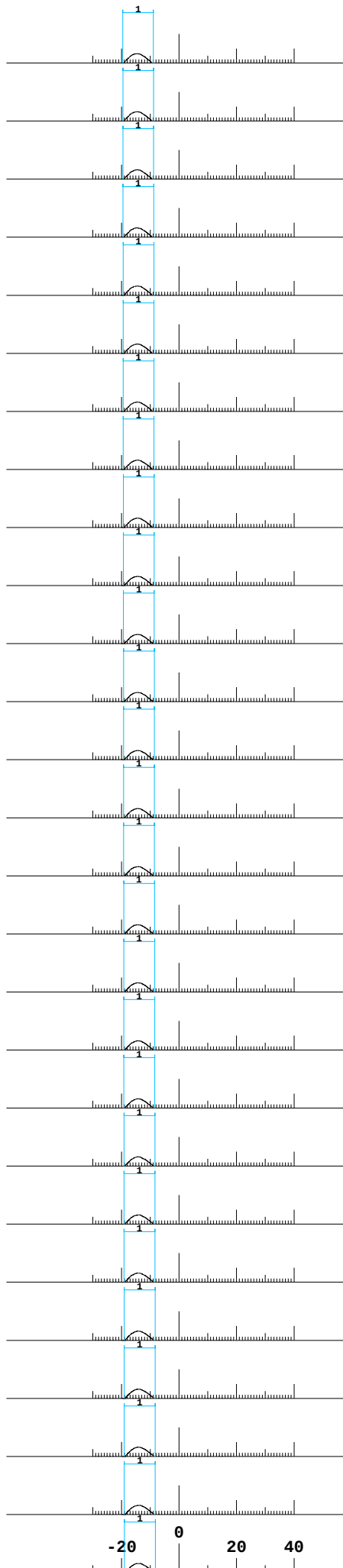
DYH= -6.08

DYH= -6.06

DYH= -6.04

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -6.02

DYH= -6

DYH= -5.98

DYH= -5.96

DYH= -5.94

DYH= -5.92

DYH= -5.9

DYH= -5.88

DYH= -5.86

DYH= -5.84

DYH= -5.82

DYH= -5.8

DYH= -5.78

DYH= -5.76

DYH= -5.74

DYH= -5.72

DYH= -5.7

DYH= -5.68

DYH= -5.66

DYH= -5.64

DYH= -5.62

DYH= -5.6

DYH= -5.58

DYH= -5.56

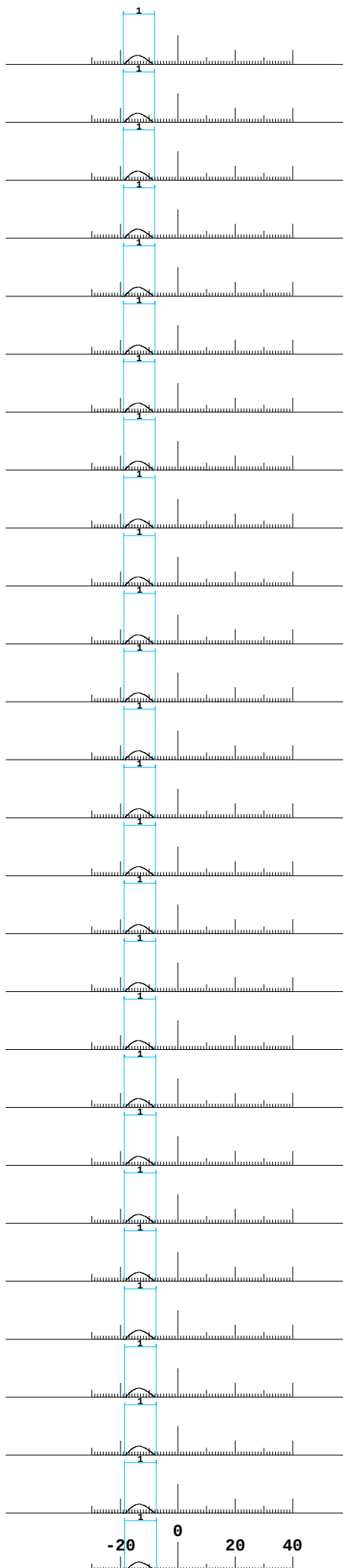
DYH= -5.54

DYH= -5.52

DYH= -5.5 -20 0 20 40

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -5.48

DYH= -5.46

DYH= -5.44

DYH= -5.42

DYH= -5.4

DYH= -5.38

DYH= -5.36

DYH= -5.34

DYH= -5.32

DYH= -5.3

DYH= -5.28

DYH= -5.26

DYH= -5.24

DYH= -5.22

DYH= -5.2

DYH= -5.18

DYH= -5.16

DYH= -5.14

DYH= -5.12

DYH= -5.1

DYH= -5.08

DYH= -5.06

DYH= -5.04

DYH= -5.02

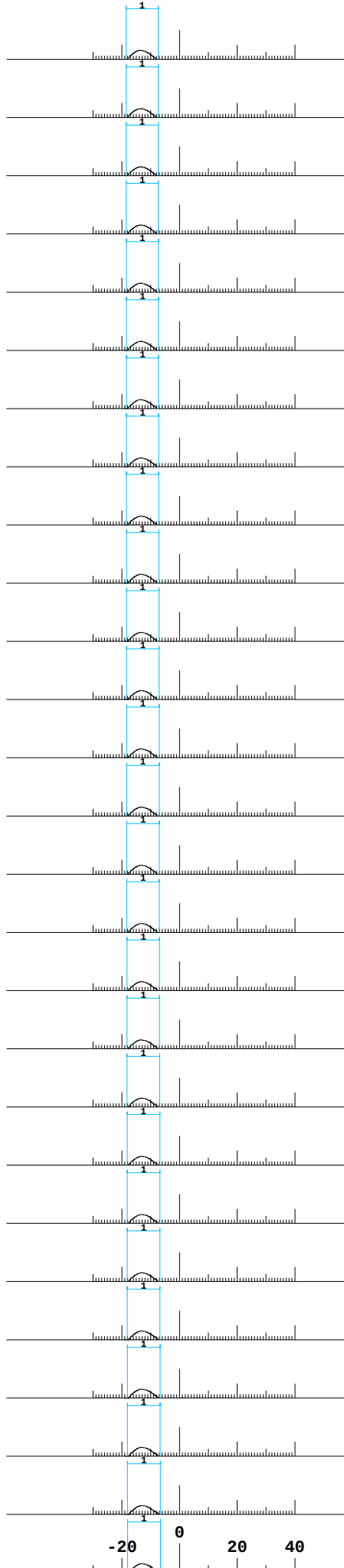
DYH= -5

DYH= -4.98

DYH= -4.96

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -4.94

DYH= -4.92

DYH= -4.9

DYH= -4.88

DYH= -4.86

DYH= -4.84

DYH= -4.82

DYH= -4.8

DYH= -4.78

DYH= -4.76

DYH= -4.74

DYH= -4.72

DYH= -4.7

DYH= -4.68

DYH= -4.66

DYH= -4.64

DYH= -4.62

DYH= -4.6

DYH= -4.58

DYH= -4.56

DYH= -4.54

DYH= -4.52

DYH= -4.5

DYH= -4.48

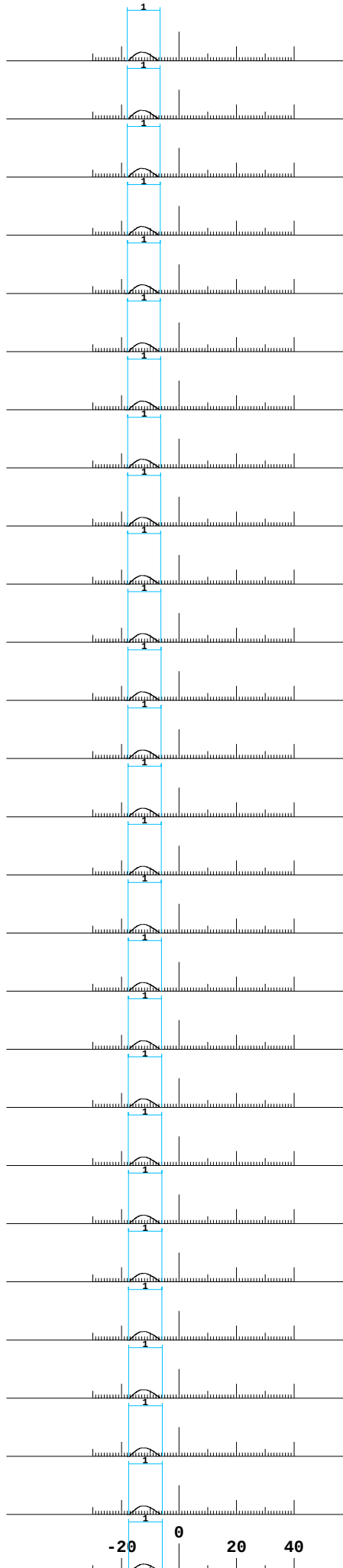
DYH= -4.46

DYH= -4.44

DYH= -4.42 -20 0 20 40

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -4.4

DYH= -4.38

DYH= -4.36

DYH= -4.34

DYH= -4.32

DYH= -4.3

DYH= -4.28

DYH= -4.26

DYH= -4.24

DYH= -4.22

DYH= -4.2

DYH= -4.18

DYH= -4.16

DYH= -4.14

DYH= -4.12

DYH= -4.1

DYH= -4.08

DYH= -4.06

DYH= -4.04

DYH= -4.02

DYH= -4

DYH= -3.98

DYH= -3.96

DYH= -3.94

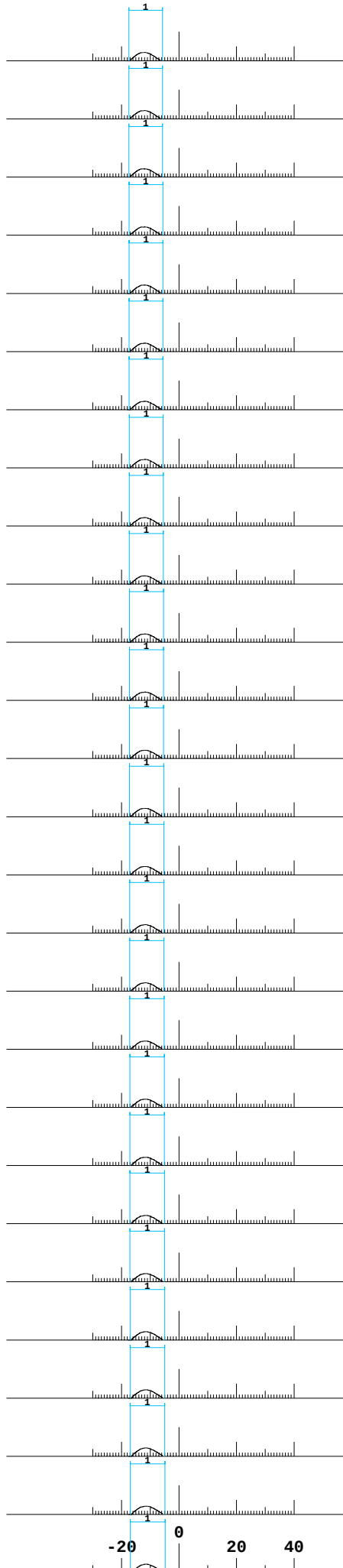
DYH= -3.92

DYH= -3.9

DYH= -3.88

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -3.86

DYH= -3.84

DYH= -3.82

DYH= -3.8

DYH= -3.78

DYH= -3.76

DYH= -3.74

DYH= -3.72

DYH= -3.7

DYH= -3.68

DYH= -3.66

DYH= -3.64

DYH= -3.62

DYH= -3.6

DYH= -3.58

DYH= -3.56

DYH= -3.54

DYH= -3.52

DYH= -3.5

DYH= -3.48

DYH= -3.46

DYH= -3.44

DYH= -3.42

DYH= -3.4

DYH= -3.38

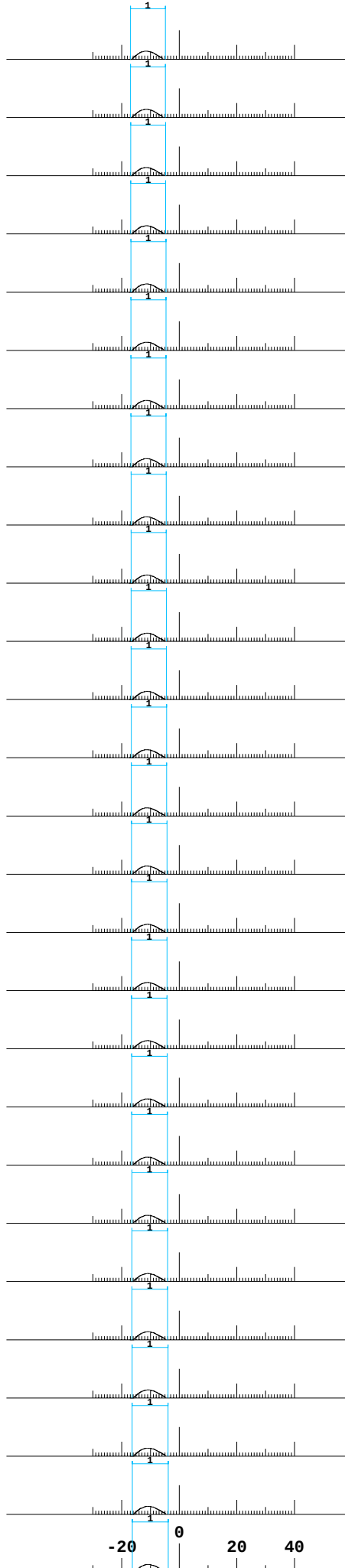
DYH= -3.36

DYH= -3.34

-20 0 20 40

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -3.32

DYH= -3.3

DYH= -3.28

DYH= -3.26

DYH= -3.24

DYH= -3.22

DYH= -3.2

DYH= -3.18

DYH= -3.16

DYH= -3.14

DYH= -3.12

DYH= -3.1

DYH= -3.08

DYH= -3.06

DYH= -3.04

DYH= -3.02

DYH= -3

DYH= -2.98

DYH= -2.96

DYH= -2.94

DYH= -2.92

DYH= -2.9

DYH= -2.88

DYH= -2.86

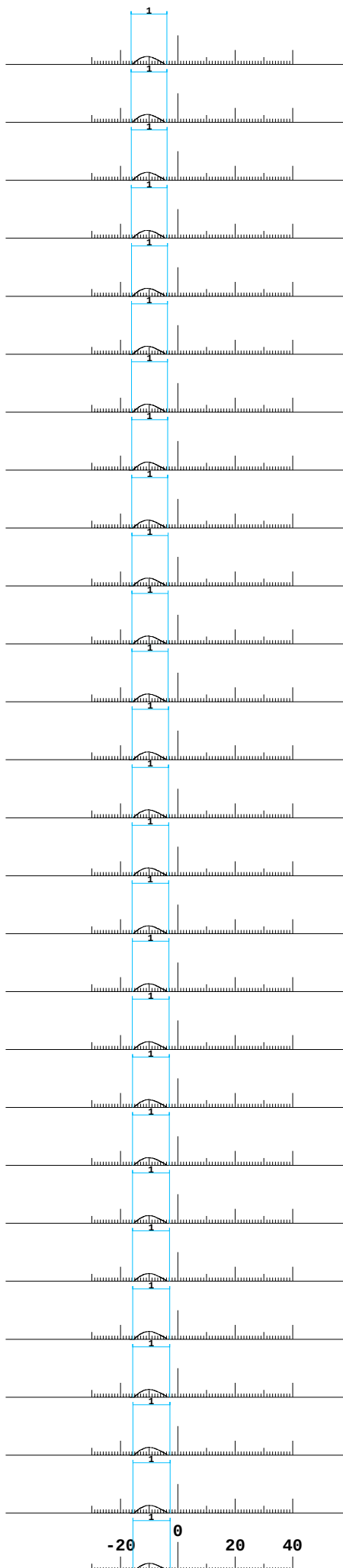
DYH= -2.84

DYH= -2.82

DYH= -2.8 -20 0 20 40

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -2.78

DYH= -2.76

DYH= -2.74

DYH= -2.72

DYH= -2.7

DYH= -2.68

DYH= -2.66

DYH= -2.64

DYH= -2.62

DYH= -2.6

DYH= -2.58

DYH= -2.56

DYH= -2.54

DYH= -2.52

DYH= -2.5

DYH= -2.48

DYH= -2.46

DYH= -2.44

DYH= -2.42

DYH= -2.4

DYH= -2.38

DYH= -2.36

DYH= -2.34

DYH= -2.32

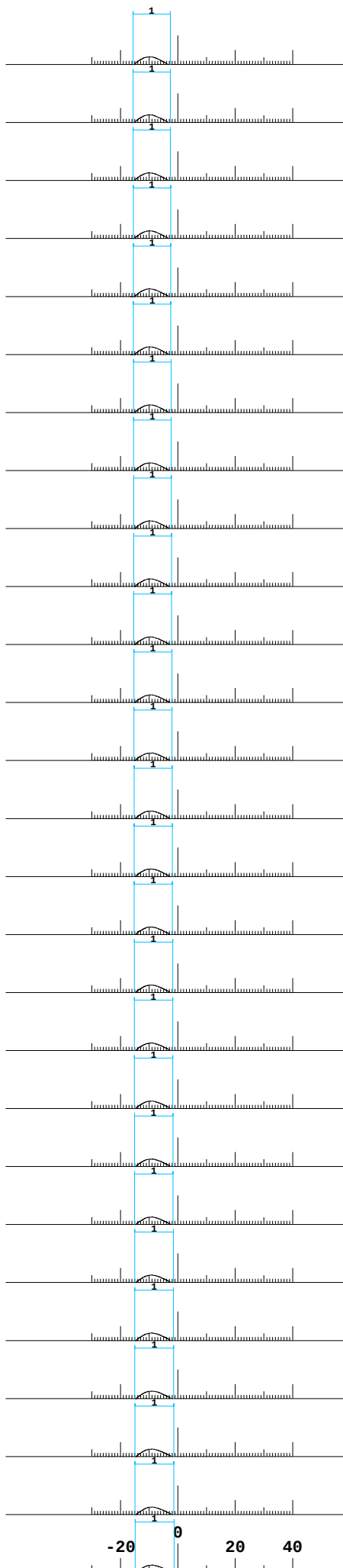
DYH= -2.3

DYH= -2.28

DYH= -2.26 -20 0 20 40

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -2.24

DYH= -2.22

DYH= -2.2

DYH= -2.18

DYH= -2.16

DYH= -2.14

DYH= -2.12

DYH= -2.1

DYH= -2.08

DYH= -2.06

DYH= -2.04

DYH= -2.02

DYH= -2

DYH= -1.98

DYH= -1.96

DYH= -1.94

DYH= -1.92

DYH= -1.9

DYH= -1.88

DYH= -1.86

DYH= -1.84

DYH= -1.82

DYH= -1.8

DYH= -1.78

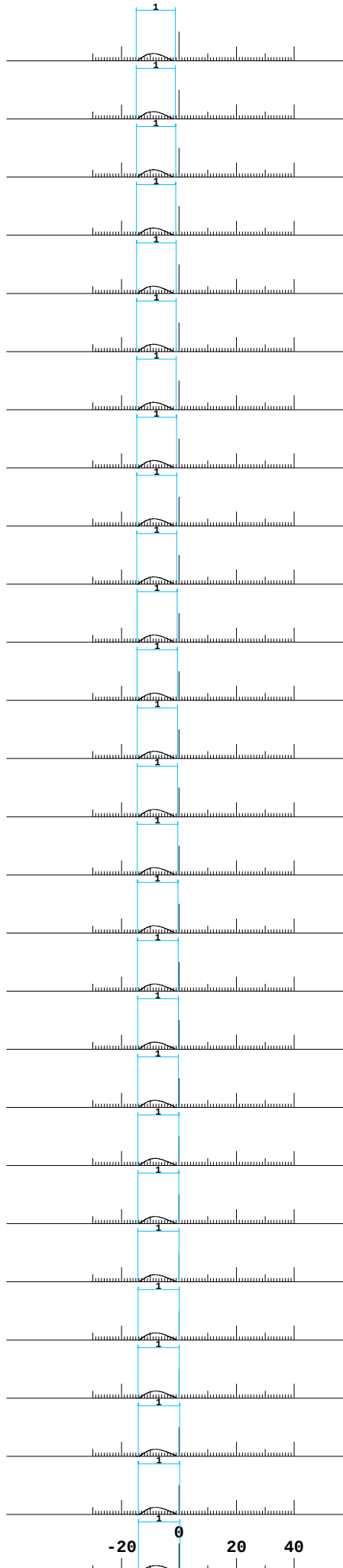
DYH= -1.76

DYH= -1.74

DYH= -1.72

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -1.7

DYH= -1.68

DYH= -1.66

DYH= -1.64

DYH= -1.62

DYH= -1.6

DYH= -1.58

DYH= -1.56

DYH= -1.54

DYH= -1.52

DYH= -1.5

DYH= -1.48

DYH= -1.46

DYH= -1.44

DYH= -1.42

DYH= -1.4

DYH= -1.38

DYH= -1.36

DYH= -1.34

DYH= -1.32

DYH= -1.3

DYH= -1.28

DYH= -1.26

DYH= -1.24

DYH= -1.22

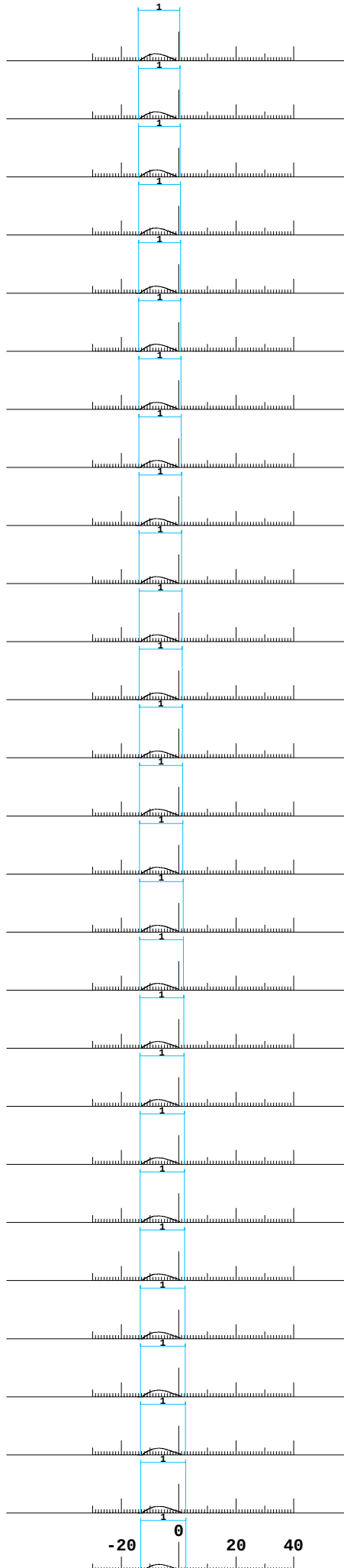
DYH= -1.2

DYH= -1.18

-20 0 20 40

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -1.16

DYH= -1.14

DYH= -1.12

DYH= -1.1

DYH= -1.08

DYH= -1.06

DYH= -1.04

DYH= -1.02

DYH= -1

DYH= -.98

DYH= -.96

DYH= -.94

DYH= -.92

DYH= -.9

DYH= -.88

DYH= -.86

DYH= -.84

DYH= -.82

DYH= -.8

DYH= -.78

DYH= -.76

DYH= -.74

DYH= -.72

DYH= -.7

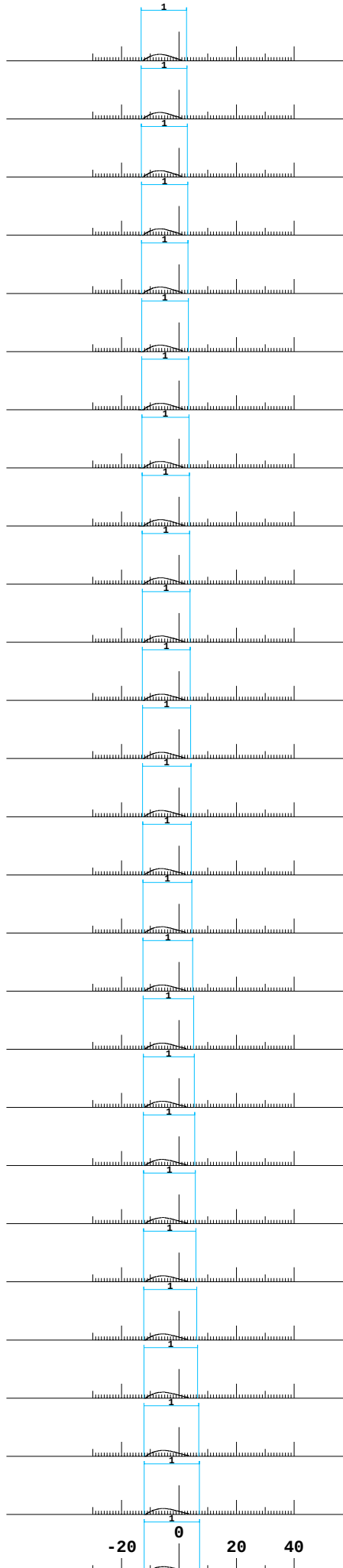
DYH= -.68

DYH= -.66

DYH= -.64 -20 0 20 40

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= -.62

DYH= -.6

DYH= -.58

DYH= -.56

DYH= -.54

DYH= -.52

DYH= -.5

DYH= -.48

DYH= -.46

DYH= -.44

DYH= -.42

DYH= -.4

DYH= -.38

DYH= -.36

DYH= -.34

DYH= -.32

DYH= -.3

DYH= -.28

DYH= -.26

DYH= -.24

DYH= -.22

DYH= -.2

DYH= -.18

DYH= -.16

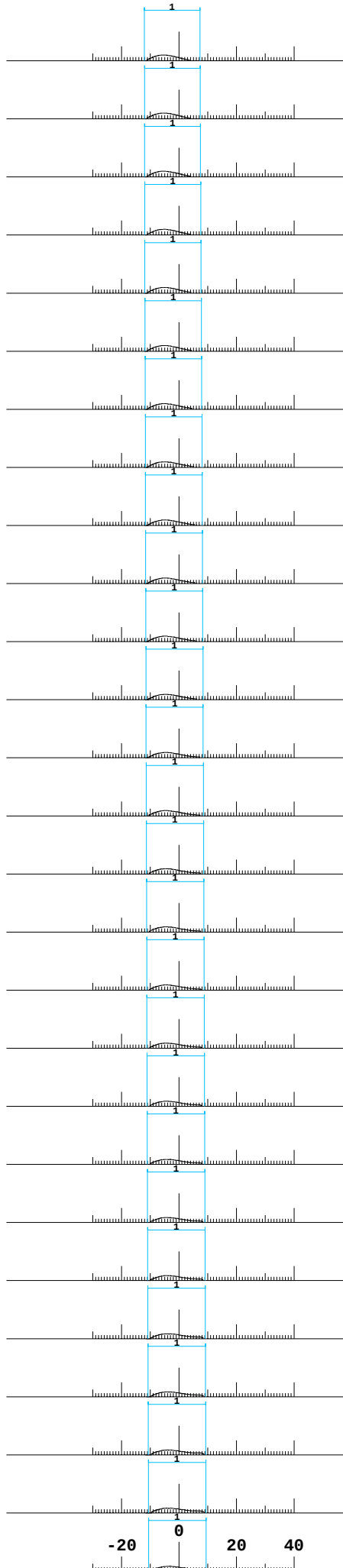
DYH= -.14

DYH= -.12

DYH= -.1 -20 0 20 40

Lateral motion of the contact point

Right wheel



Left wheel

Right wheel

DYH= -.08

DYH= -.06

DYH= -.04

DYH= -.02

DYH= 0

DYH= .02

DYH= .04

DYH= .06

DYH= .08

DYH= .1

DYH= .12

DYH= .14

DYH= .16

DYH= .18

DYH= .2

DYH= .22

DYH= .24

DYH= .26

DYH= .28

DYH= .3

DYH= .32

DYH= .34

DYH= .36

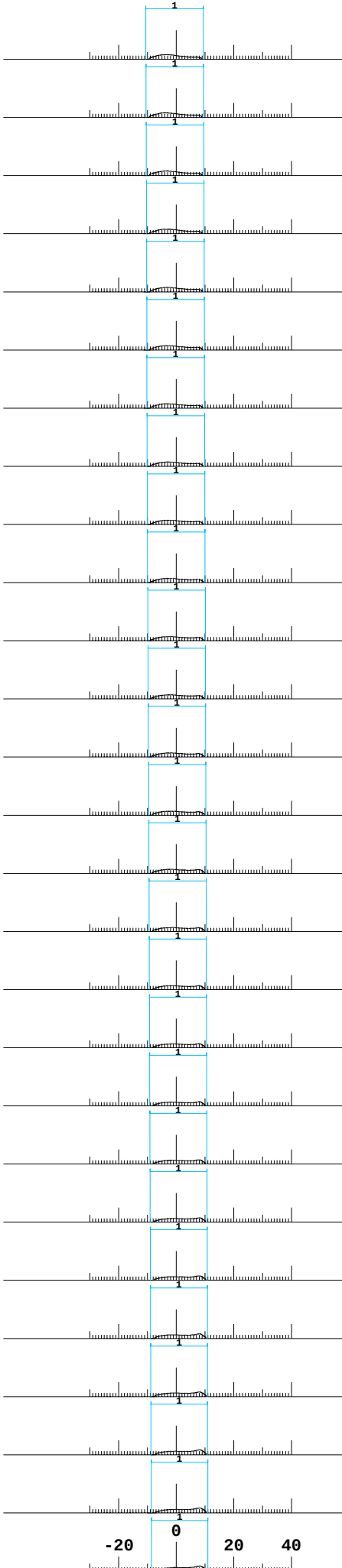
DYH= .38

DYH= .4

DYH= .42

DYH= .44

-20 0 20 40



-20 0 20 40

Left wheel

Right wheel

DYH= .46

DYH= .48

DYH= .5

DYH= .52

DYH= .54

DYH= .56

DYH= .58

DYH= .6

DYH= .62

DYH= .64

DYH= .66

DYH= .68

DYH= .7

DYH= .72

DYH= .74

DYH= .76

DYH= .78

DYH= .8

DYH= .82

DYH= .84

DYH= .86

DYH= .88

DYH= .9

DYH= .92

DYH= .94

DYH= .96

DYH= .98 -20 0 20 40

-20 0 20 40

GENSYS-KPF.0908

Left wheel

DYH= 1

DYH= 1.02

DYH= 1.04

DYH= 1.06

DYH= 1.08

DYH= 1.1

DYH= 1.12

DYH= 1.14

DYH= 1.16

DYH= 1.18

DYH= 1.2

DYH= 1.22

DYH= 1.24

DYH= 1.26

DYH= 1.28

DYH= 1.3

DYH= 1.32

DYH= 1.34

DYH= 1.36

DYH= 1.38

DYH= 1.4

DYH= 1.42

DYH= 1.44

DYH= 1.46

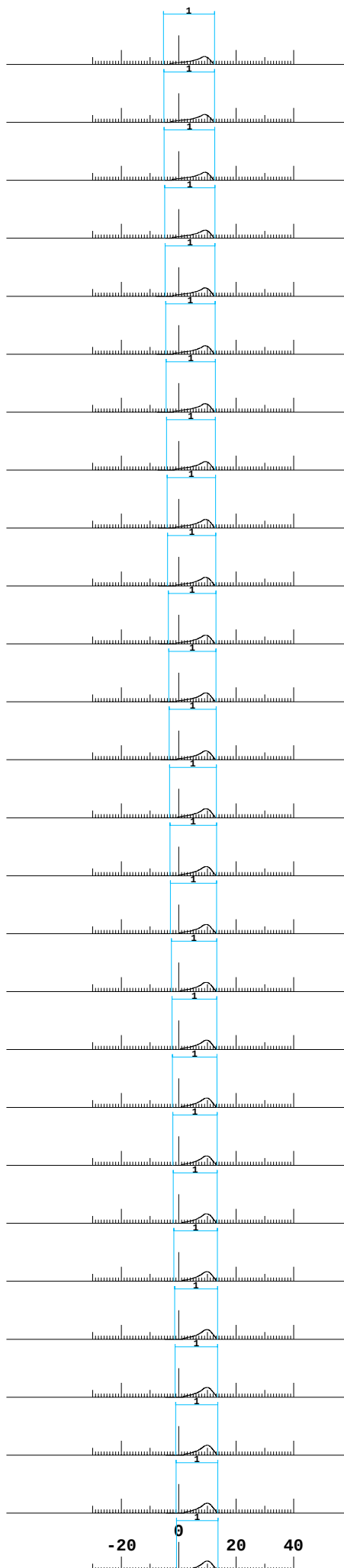
DYH= 1.48

DYH= 1.5

DYH= 1.52 -20 0 20 40

Lateral motion of the contact point

Right wheel



Left wheel

Right wheel

DYH= 1.54

DYH= 1.56

DYH= 1.58

DYH= 1.6

DYH= 1.62

DYH= 1.64

DYH= 1.66

DYH= 1.68

DYH= 1.7

DYH= 1.72

DYH= 1.74

DYH= 1.76

DYH= 1.78

DYH= 1.8

DYH= 1.82

DYH= 1.84

DYH= 1.86

DYH= 1.88

DYH= 1.9

DYH= 1.92

DYH= 1.94

DYH= 1.96

DYH= 1.98

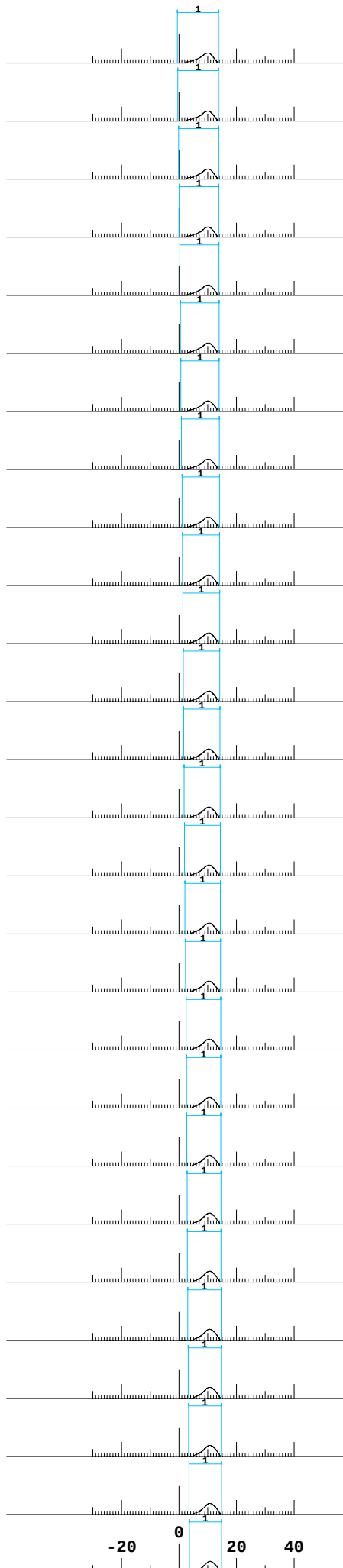
DYH= 2

DYH= 2.02

DYH= 2.04

DYH= 2.06

-20 0 20 40



-20 0 20 40

Left wheel

Right wheel

DYH= 2.08

DYH= 2.1

DYH= 2.12

DYH= 2.14

DYH= 2.16

DYH= 2.18

DYH= 2.2

DYH= 2.22

DYH= 2.24

DYH= 2.26

DYH= 2.28

DYH= 2.3

DYH= 2.32

DYH= 2.34

DYH= 2.36

DYH= 2.38

DYH= 2.4

DYH= 2.42

DYH= 2.44

DYH= 2.46

DYH= 2.48

DYH= 2.5

DYH= 2.52

DYH= 2.54

DYH= 2.56

DYH= 2.58

DYH= 2.6 -20 0 20 40

-20 0 20 40

GENSYS-KPF.0908

Left wheel

DYH= 2.62

DYH= 2.64

DYH= 2.66

DYH= 2.68

DYH= 2.7

DYH= 2.72

DYH= 2.74

DYH= 2.76

DYH= 2.78

DYH= 2.8

DYH= 2.82

DYH= 2.84

DYH= 2.86

DYH= 2.88

DYH= 2.9

DYH= 2.92

DYH= 2.94

DYH= 2.96

DYH= 2.98

DYH= 3

DYH= 3.02

DYH= 3.04

DYH= 3.06

DYH= 3.08

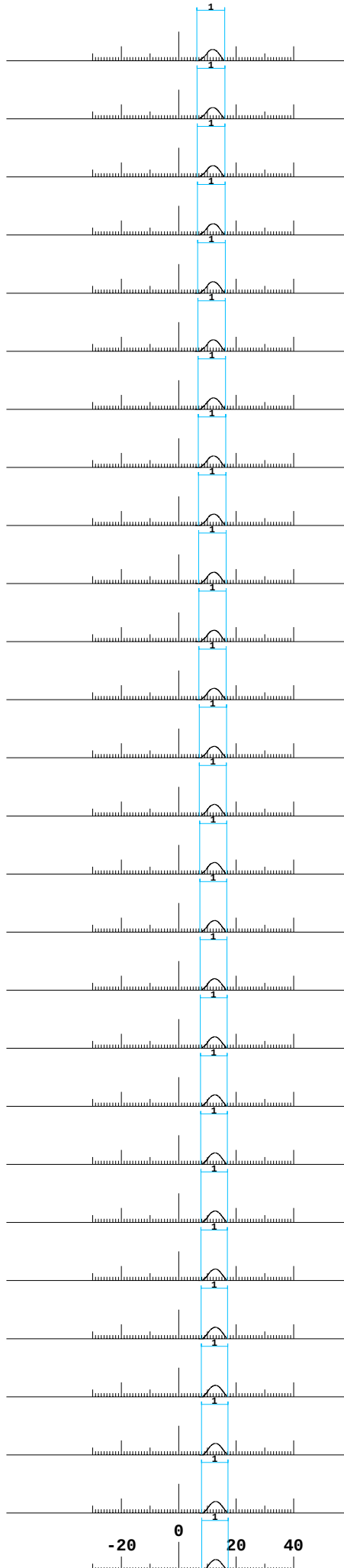
DYH= 3.1

DYH= 3.12

DYH= 3.14 -20 0 20 40

Lateral motion of the contact point

Right wheel



Left wheel

Right wheel

DYH= 3.16

DYH= 3.18

DYH= 3.2

DYH= 3.22

DYH= 3.24

DYH= 3.26

DYH= 3.28

DYH= 3.3

DYH= 3.32

DYH= 3.34

DYH= 3.36

DYH= 3.38

DYH= 3.4

DYH= 3.42

DYH= 3.44

DYH= 3.46

DYH= 3.48

DYH= 3.5

DYH= 3.52

DYH= 3.54

DYH= 3.56

DYH= 3.58

DYH= 3.6

DYH= 3.62

DYH= 3.64

DYH= 3.66

DYH= 3.68 -20 0 20 40

-20 0 20 40

Left wheel

Right wheel

DYH= 3.7

DYH= 3.72

DYH= 3.74

DYH= 3.76

DYH= 3.78

DYH= 3.8

DYH= 3.82

DYH= 3.84

DYH= 3.86

DYH= 3.88

DYH= 3.9

DYH= 3.92

DYH= 3.94

DYH= 3.96

DYH= 3.98

DYH= 4

DYH= 4.02

DYH= 4.04

DYH= 4.06

DYH= 4.08

DYH= 4.1

DYH= 4.12

DYH= 4.14

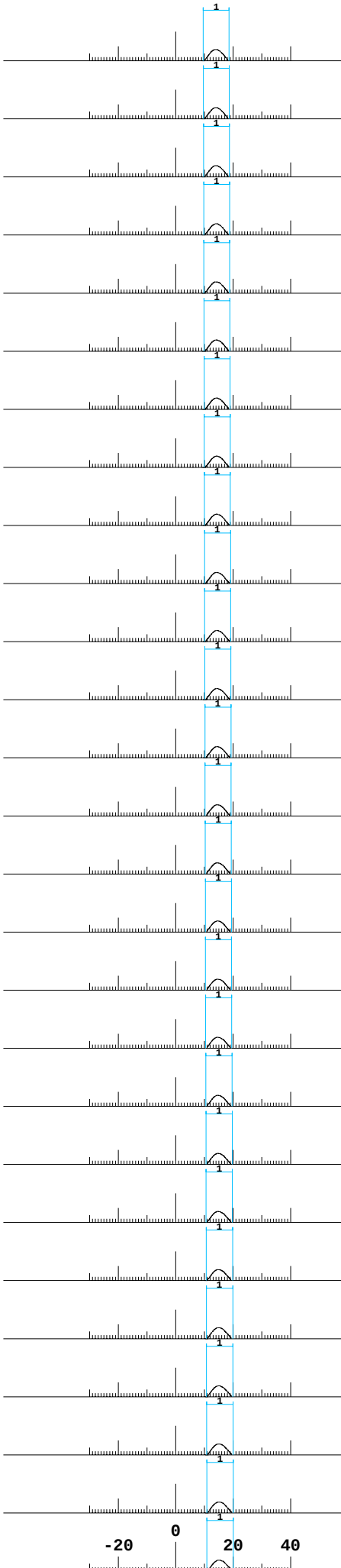
DYH= 4.16

DYH= 4.18

DYH= 4.2

DYH= 4.22

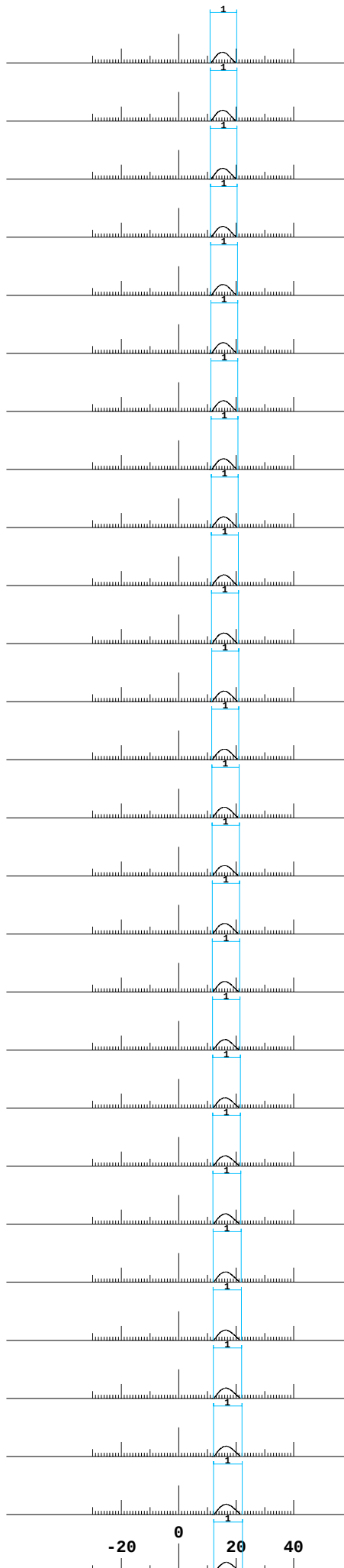
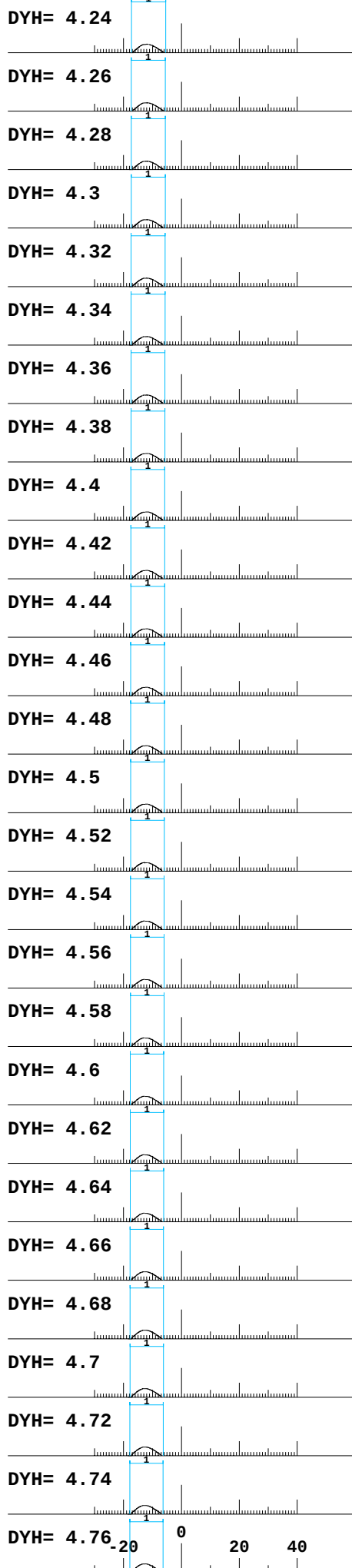
-20 0 20 40



-20 0 20 40

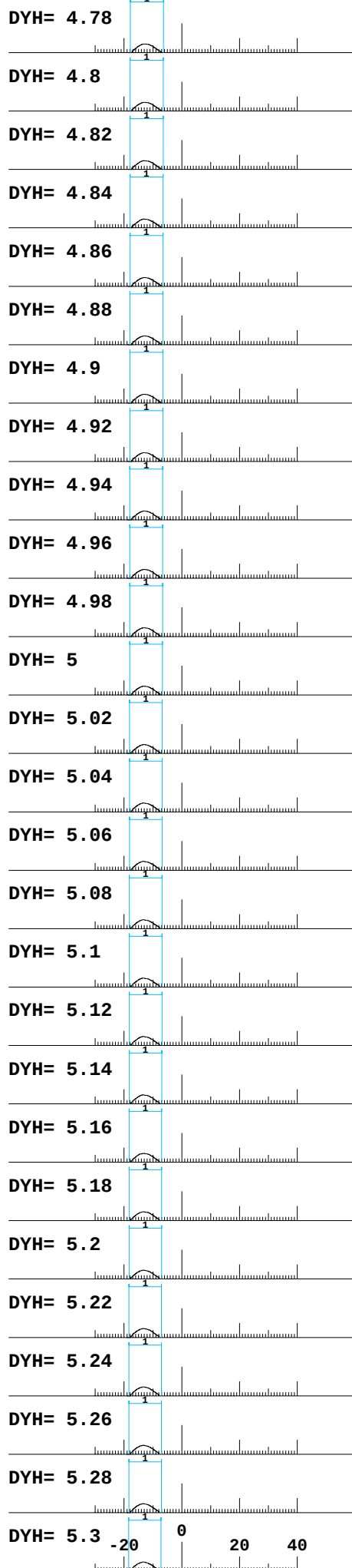
Left wheel

Right wheel



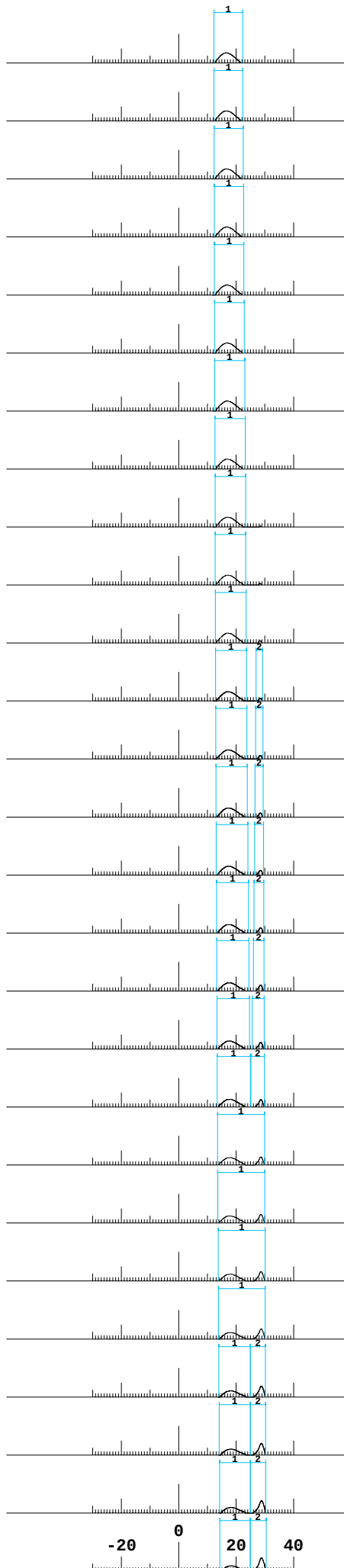
GENSYS-KPF.0908

Left wheel



Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= 5.32

DYH= 5.34

DYH= 5.36

DYH= 5.38

DYH= 5.4

DYH= 5.42

DYH= 5.44

DYH= 5.46

DYH= 5.48

DYH= 5.5

DYH= 5.52

DYH= 5.54

DYH= 5.56

DYH= 5.58

DYH= 5.6

DYH= 5.62

DYH= 5.64

DYH= 5.66

DYH= 5.68

DYH= 5.7

DYH= 5.72

DYH= 5.74

DYH= 5.76

DYH= 5.78

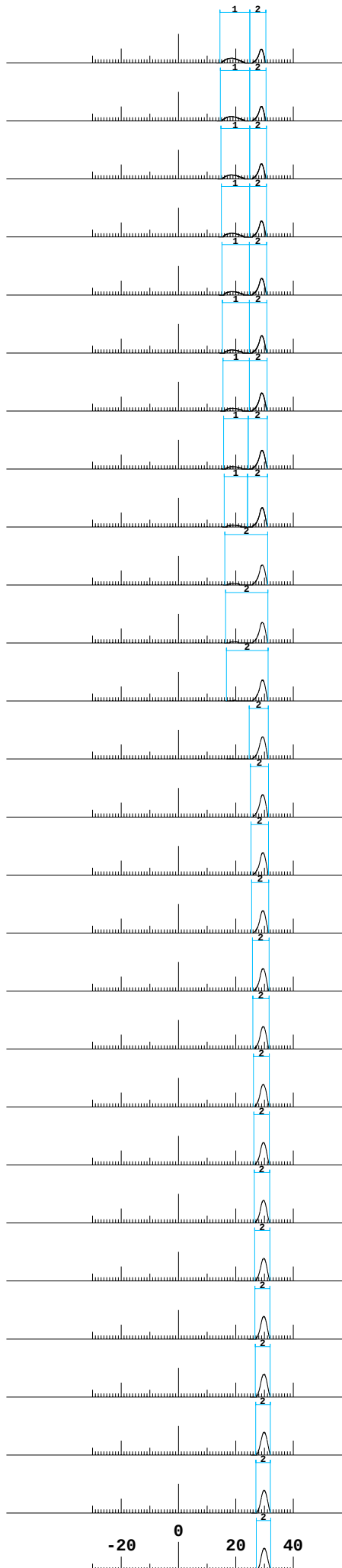
DYH= 5.8

DYH= 5.82

DYH= 5.84 -20 0 20 40

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= 5.86

DYH= 5.88

DYH= 5.9

DYH= 5.92

DYH= 5.94

DYH= 5.96

DYH= 5.98

DYH= 6

DYH= 6.02

DYH= 6.04

DYH= 6.06

DYH= 6.08

DYH= 6.1

DYH= 6.12

DYH= 6.14

DYH= 6.16

DYH= 6.18

DYH= 6.2

DYH= 6.22

DYH= 6.24

DYH= 6.26

DYH= 6.28

DYH= 6.3

DYH= 6.32

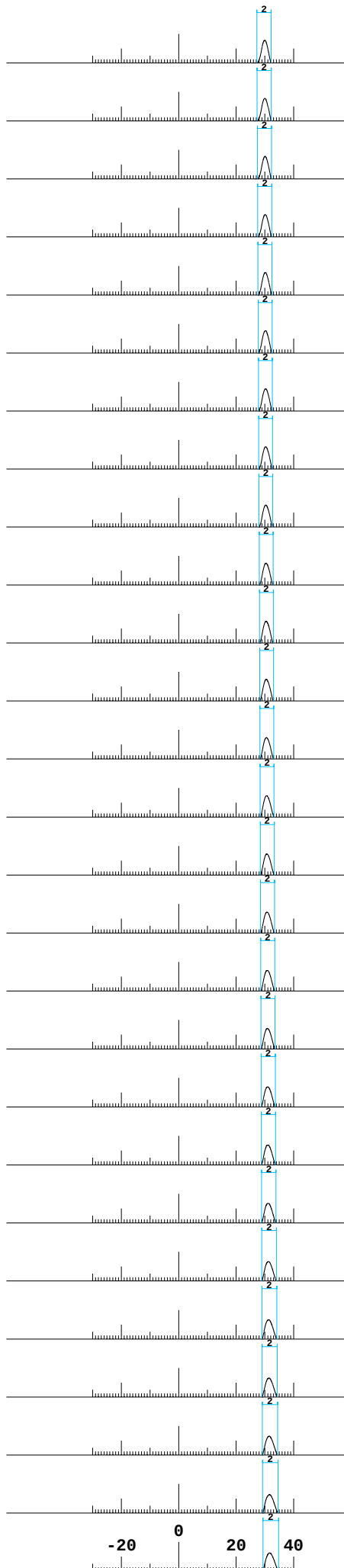
DYH= 6.34

DYH= 6.36

DYH= 6.38 -20 0 20 40

Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= 6.4

DYH= 6.42

DYH= 6.44

DYH= 6.46

DYH= 6.48

DYH= 6.5

DYH= 6.52

DYH= 6.54

DYH= 6.56

DYH= 6.58

DYH= 6.6

DYH= 6.62

DYH= 6.64

DYH= 6.66

DYH= 6.68

DYH= 6.7

DYH= 6.72

DYH= 6.74

DYH= 6.76

DYH= 6.78

DYH= 6.8

DYH= 6.82

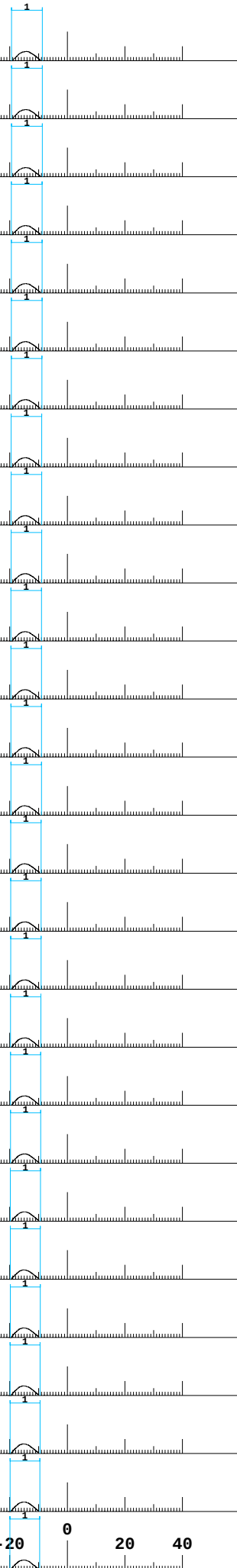
DYH= 6.84

DYH= 6.86

DYH= 6.88

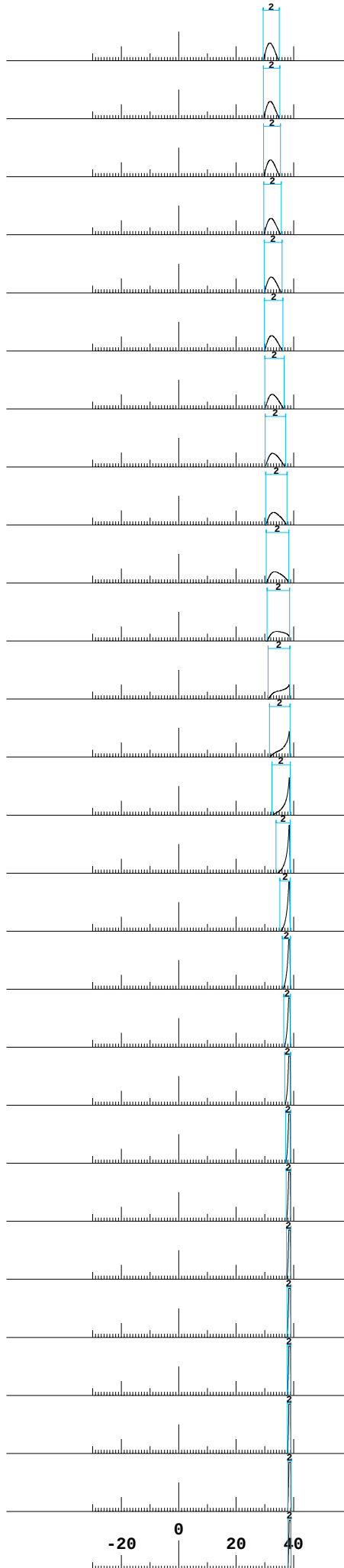
DYH= 6.9

DYH= 6.92



Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= 6.94

DYH= 6.96

DYH= 6.98

DYH= 7

DYH= 7.02

DYH= 7.04

DYH= 7.06

DYH= 7.08

DYH= 7.1

DYH= 7.12

DYH= 7.14

DYH= 7.16

DYH= 7.18

DYH= 7.2

DYH= 7.22

DYH= 7.24

DYH= 7.26

DYH= 7.28

DYH= 7.3

DYH= 7.32

DYH= 7.34

DYH= 7.36

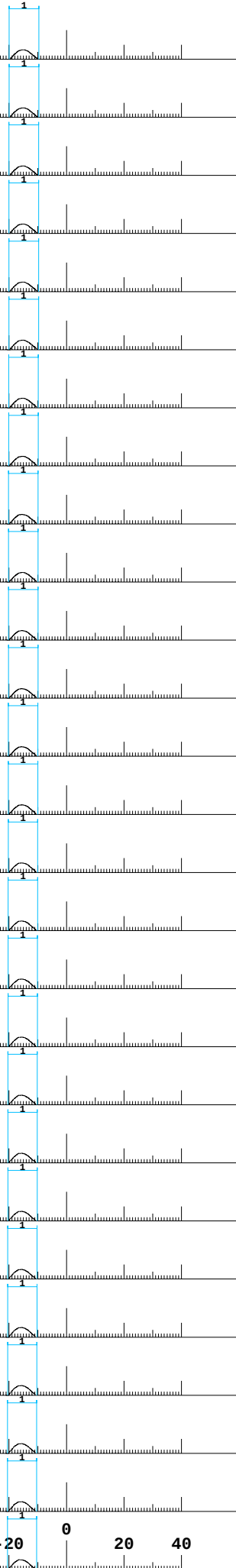
DYH= 7.38

DYH= 7.4

DYH= 7.42

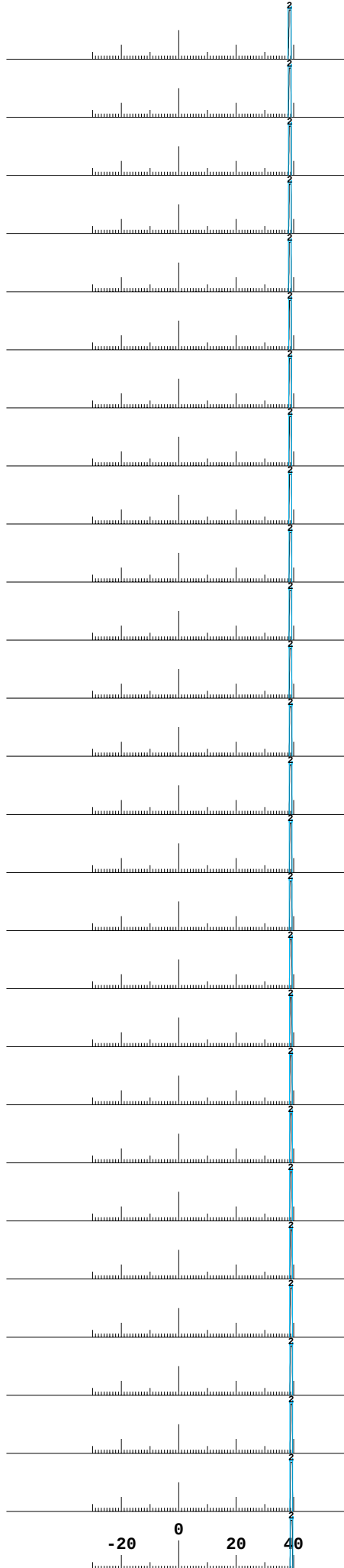
DYH= 7.44

DYH= 7.46



Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= 7.48

DYH= 7.5

DYH= 7.52

DYH= 7.54

DYH= 7.56

DYH= 7.58

DYH= 7.6

DYH= 7.62

DYH= 7.64

DYH= 7.66

DYH= 7.68

DYH= 7.7

DYH= 7.72

DYH= 7.74

DYH= 7.76

DYH= 7.78

DYH= 7.8

DYH= 7.82

DYH= 7.84

DYH= 7.86

DYH= 7.88

DYH= 7.9

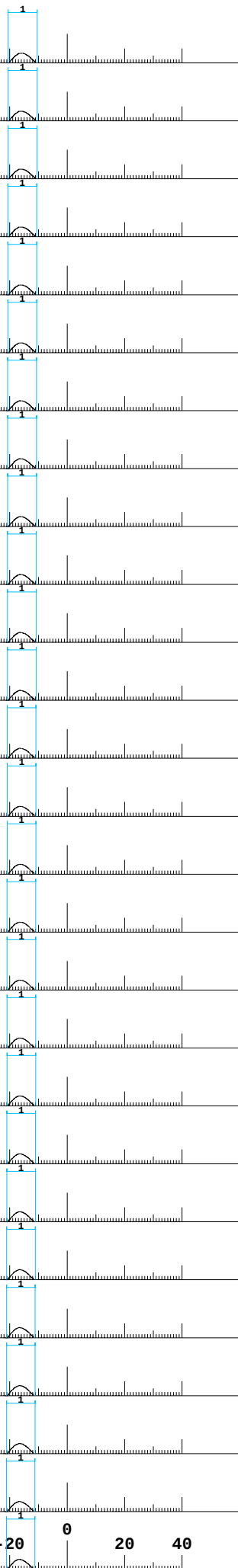
DYH= 7.92

DYH= 7.94

DYH= 7.96

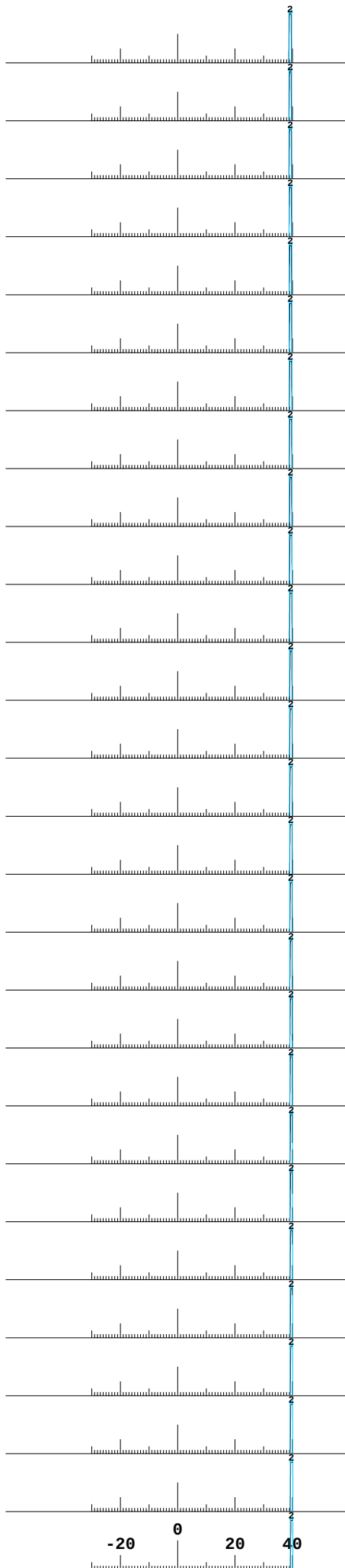
DYH= 7.98

DYH= 8



Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= 8.02

DYH= 8.04

DYH= 8.06

DYH= 8.08

DYH= 8.1

DYH= 8.12

DYH= 8.14

DYH= 8.16

DYH= 8.18

DYH= 8.2

DYH= 8.22

DYH= 8.24

DYH= 8.26

DYH= 8.28

DYH= 8.3

DYH= 8.32

DYH= 8.34

DYH= 8.36

DYH= 8.38

DYH= 8.4

DYH= 8.42

DYH= 8.44

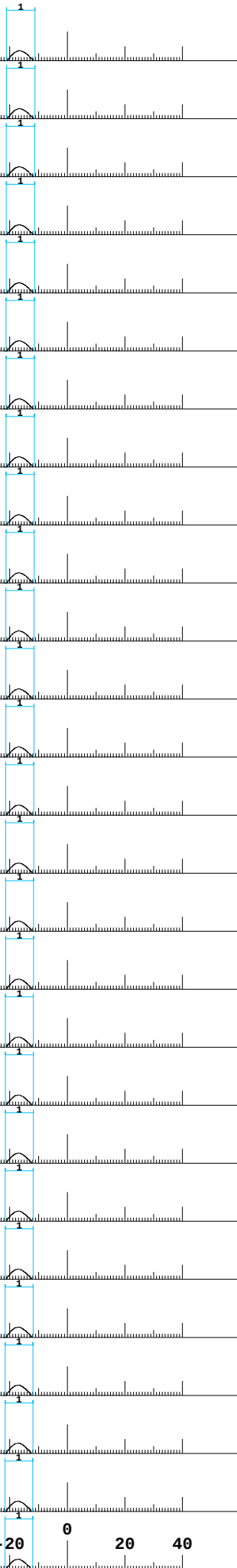
DYH= 8.46

DYH= 8.48

DYH= 8.5

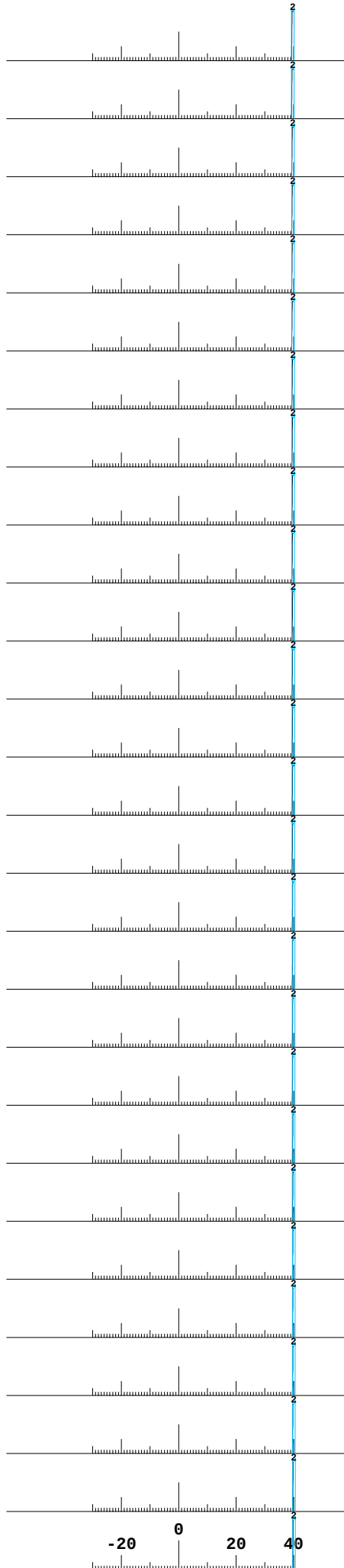
DYH= 8.52

DYH= 8.54



Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= 8.56

DYH= 8.58

DYH= 8.6

DYH= 8.62

DYH= 8.64

DYH= 8.66

DYH= 8.68

DYH= 8.7

DYH= 8.72

DYH= 8.74

DYH= 8.76

DYH= 8.78

DYH= 8.8

DYH= 8.82

DYH= 8.84

DYH= 8.86

DYH= 8.88

DYH= 8.9

DYH= 8.92

DYH= 8.94

DYH= 8.96

DYH= 8.98

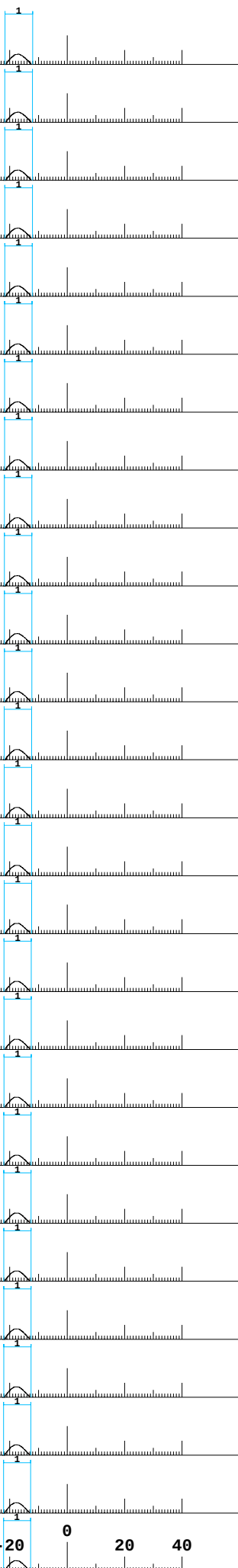
DYH= 9

DYH= 9.02

DYH= 9.04

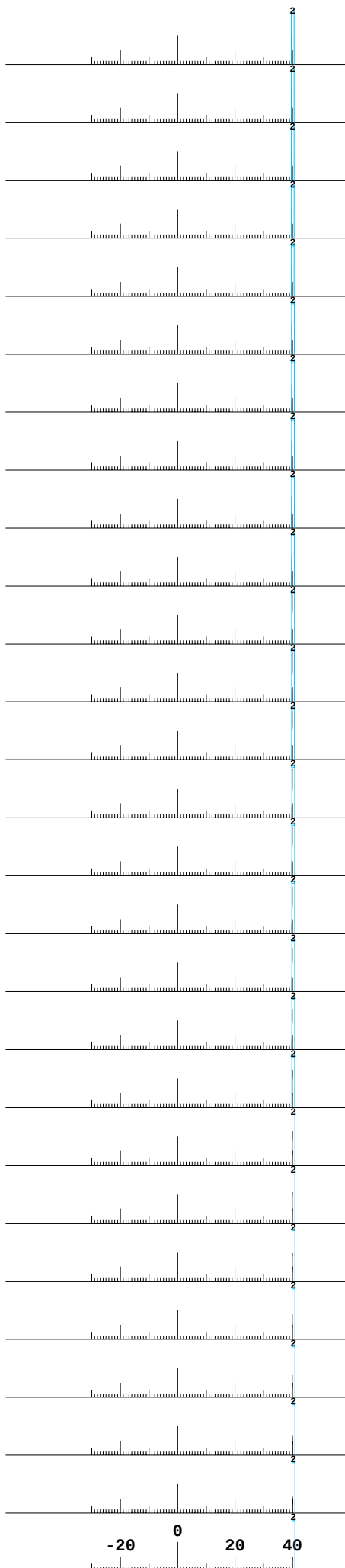
DYH= 9.06

DYH= 9.08



Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= 9.1

DYH= 9.12

DYH= 9.14

DYH= 9.16

DYH= 9.18

DYH= 9.2

DYH= 9.22

DYH= 9.24

DYH= 9.26

DYH= 9.28

DYH= 9.3

DYH= 9.32

DYH= 9.34

DYH= 9.36

DYH= 9.38

DYH= 9.4

DYH= 9.42

DYH= 9.44

DYH= 9.46

DYH= 9.48

DYH= 9.5

DYH= 9.52

DYH= 9.54

DYH= 9.56

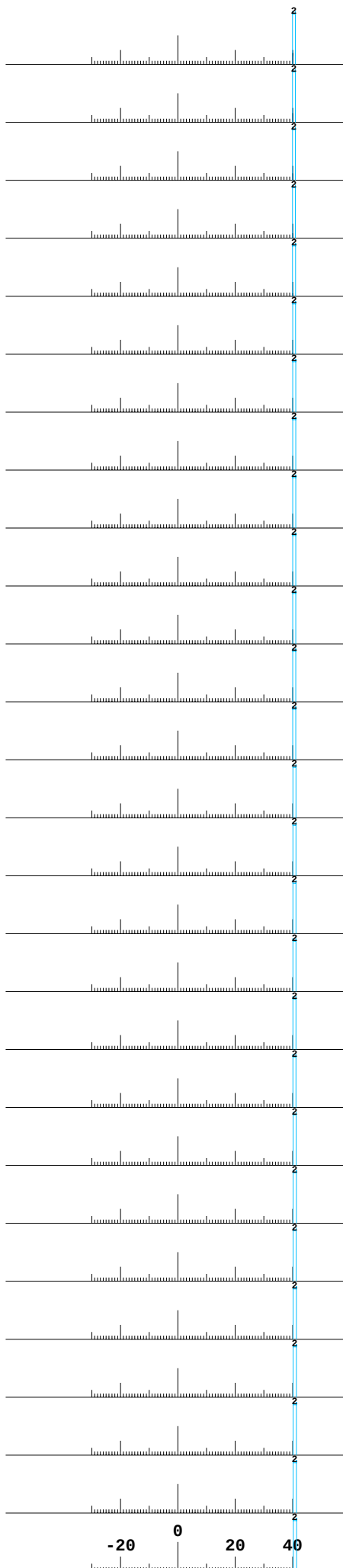
DYH= 9.58

DYH= 9.6

DYH= 9.62 -20 0 20 40

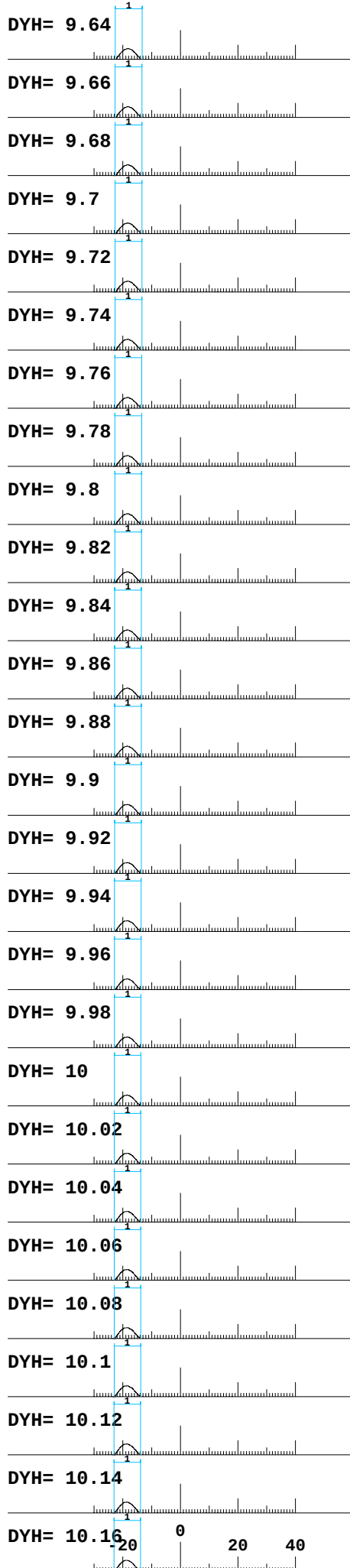
Lateral motion of the contact point

Right wheel



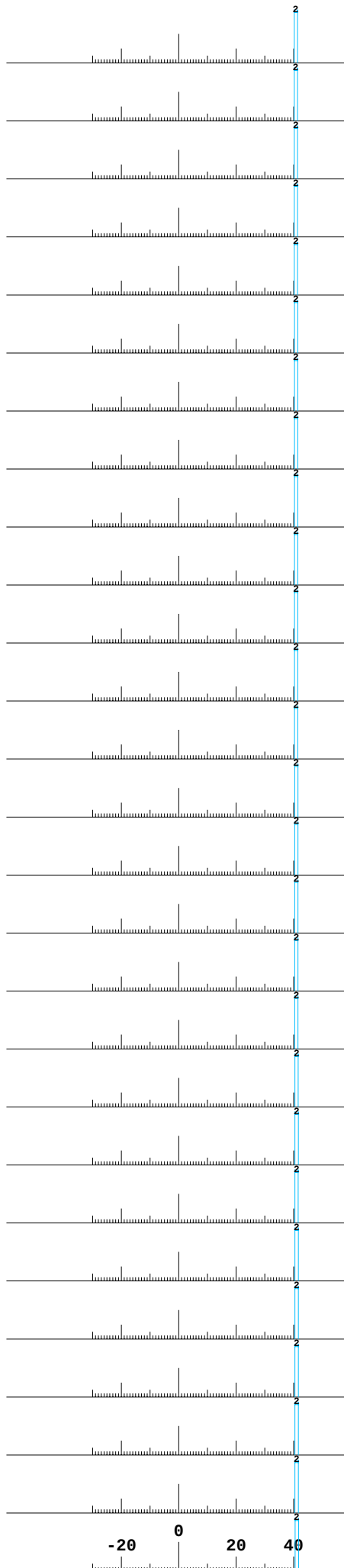
GENSYS-KPF.0908

Left wheel



Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= 10.18

DYH= 10.2

DYH= 10.22

DYH= 10.24

DYH= 10.26

DYH= 10.28

DYH= 10.3

DYH= 10.32

DYH= 10.34

DYH= 10.36

DYH= 10.38

DYH= 10.4

DYH= 10.42

DYH= 10.44

DYH= 10.46

DYH= 10.48

DYH= 10.5

DYH= 10.52

DYH= 10.54

DYH= 10.56

DYH= 10.58

DYH= 10.6

DYH= 10.62

DYH= 10.64

DYH= 10.66

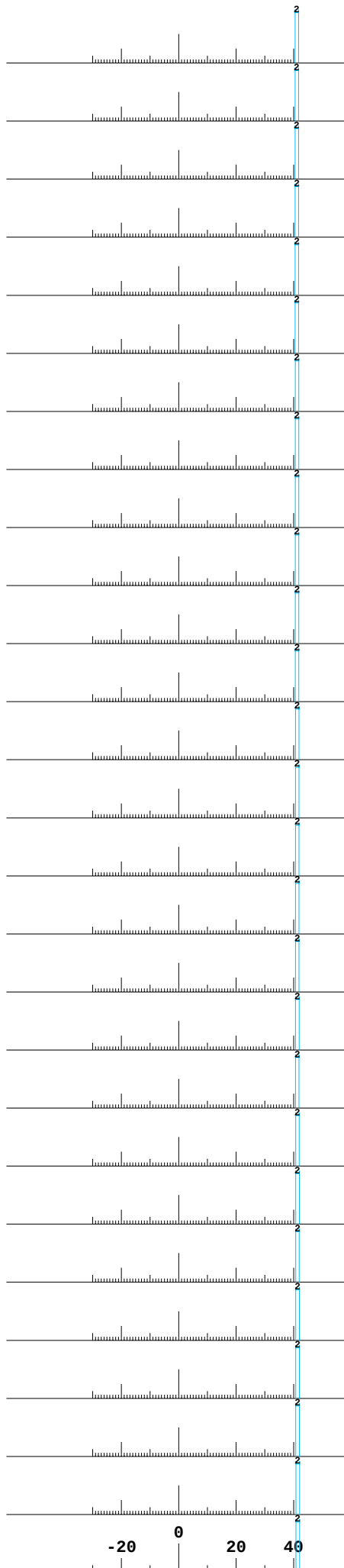
DYH= 10.68

DYH= 10.7

-20 0 20 40

Lateral motion of the contact point

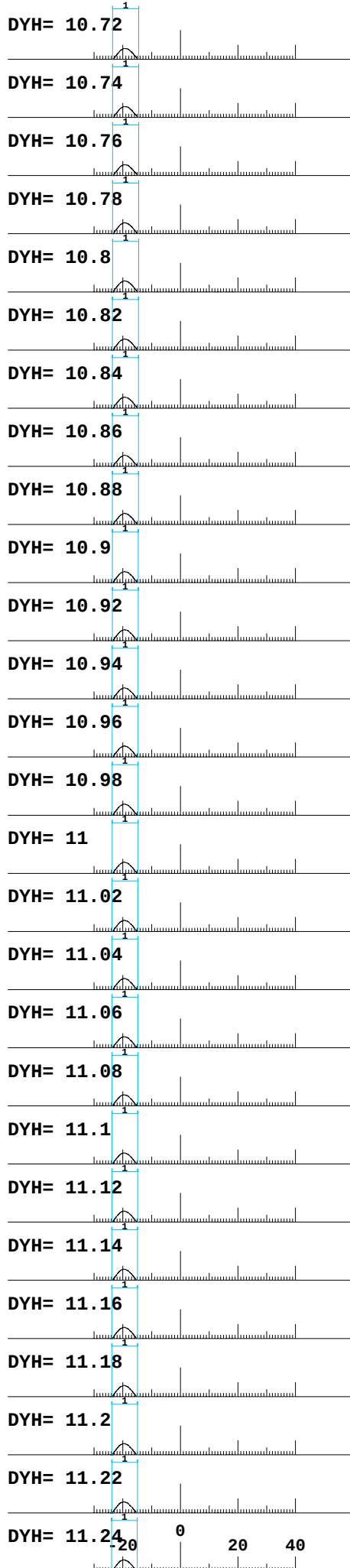
Right wheel



ENS1002t32.5_uic60i40

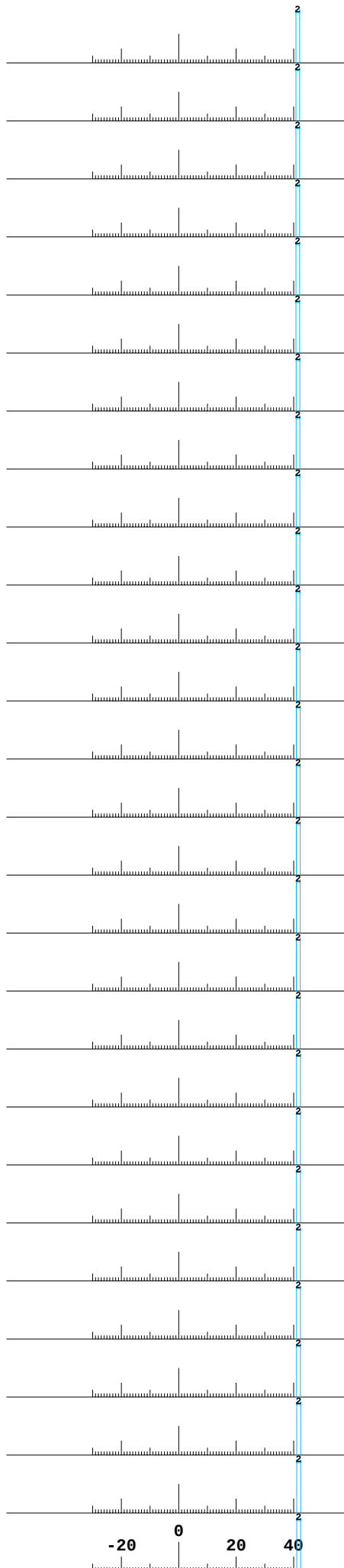
GENSYS-KPF.0908

Left wheel



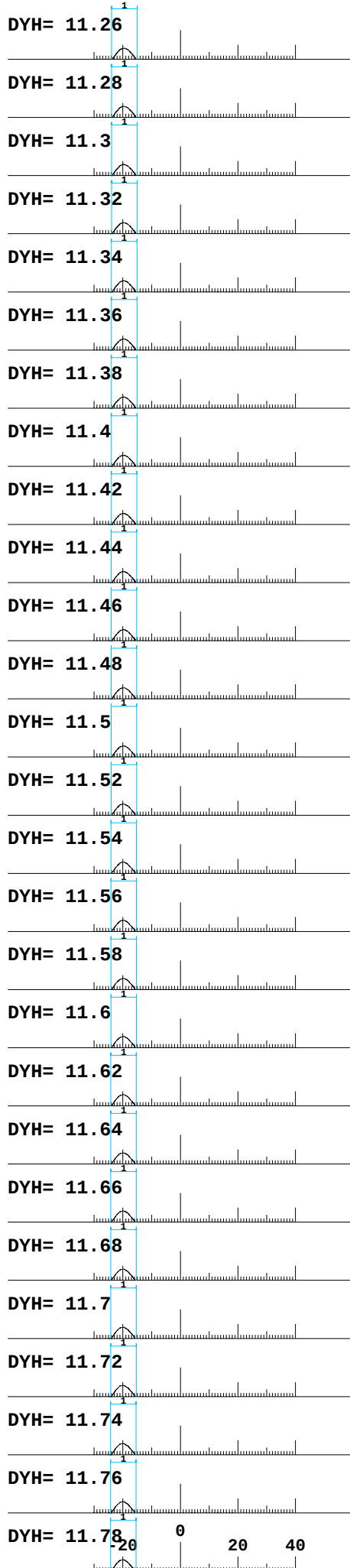
Lateral motion of the contact point

Right wheel



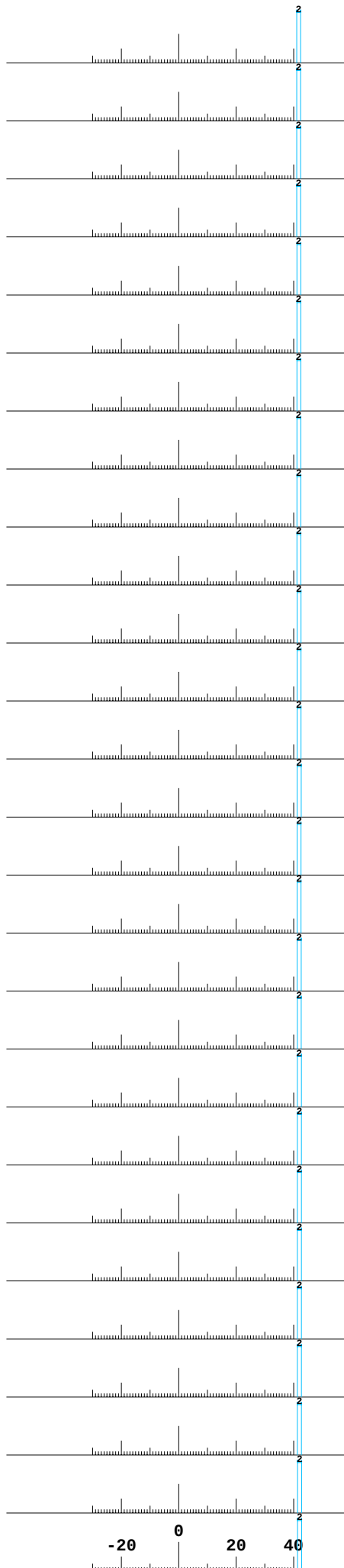
GENSYS-KPF.0908

Left wheel



Lateral motion of the contact point

Right wheel



GENSYS-KPF.0908

Left wheel

DYH= 11.8

DYH= 11.82

DYH= 11.84

DYH= 11.86

DYH= 11.88

DYH= 11.9

DYH= 11.92

DYH= 11.94

DYH= 11.96

DYH= 11.98

DYH= 12

DYH= 12.02

DYH= 12.04

DYH= 12.06

DYH= 12.08

DYH= 12.1

DYH= 12.12

DYH= 12.14

DYH= 12.16

DYH= 12.18

DYH= 12.2

DYH= 12.22

DYH= 12.24

DYH= 12.26

DYH= 12.28

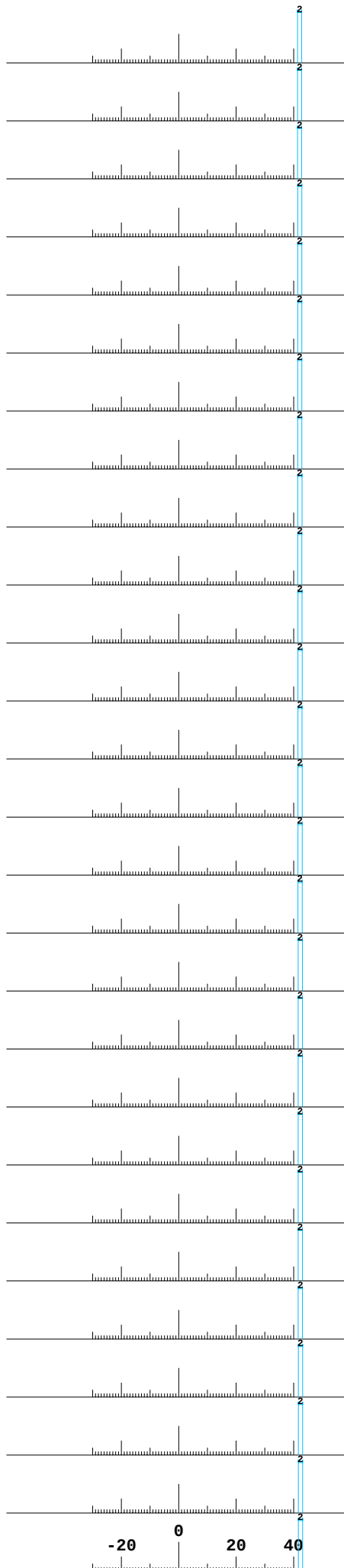
DYH= 12.3

DYH= 12.32

-20 0 20 40

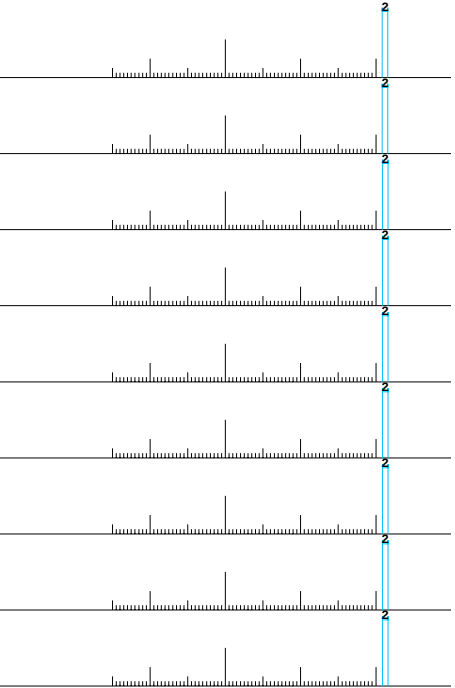
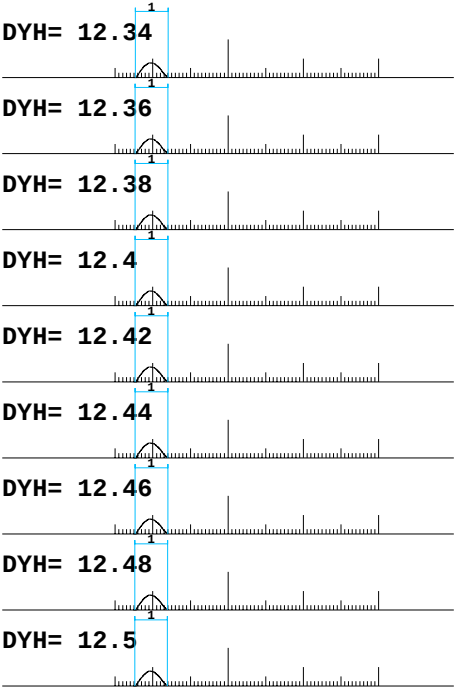
Lateral motion of the contact point

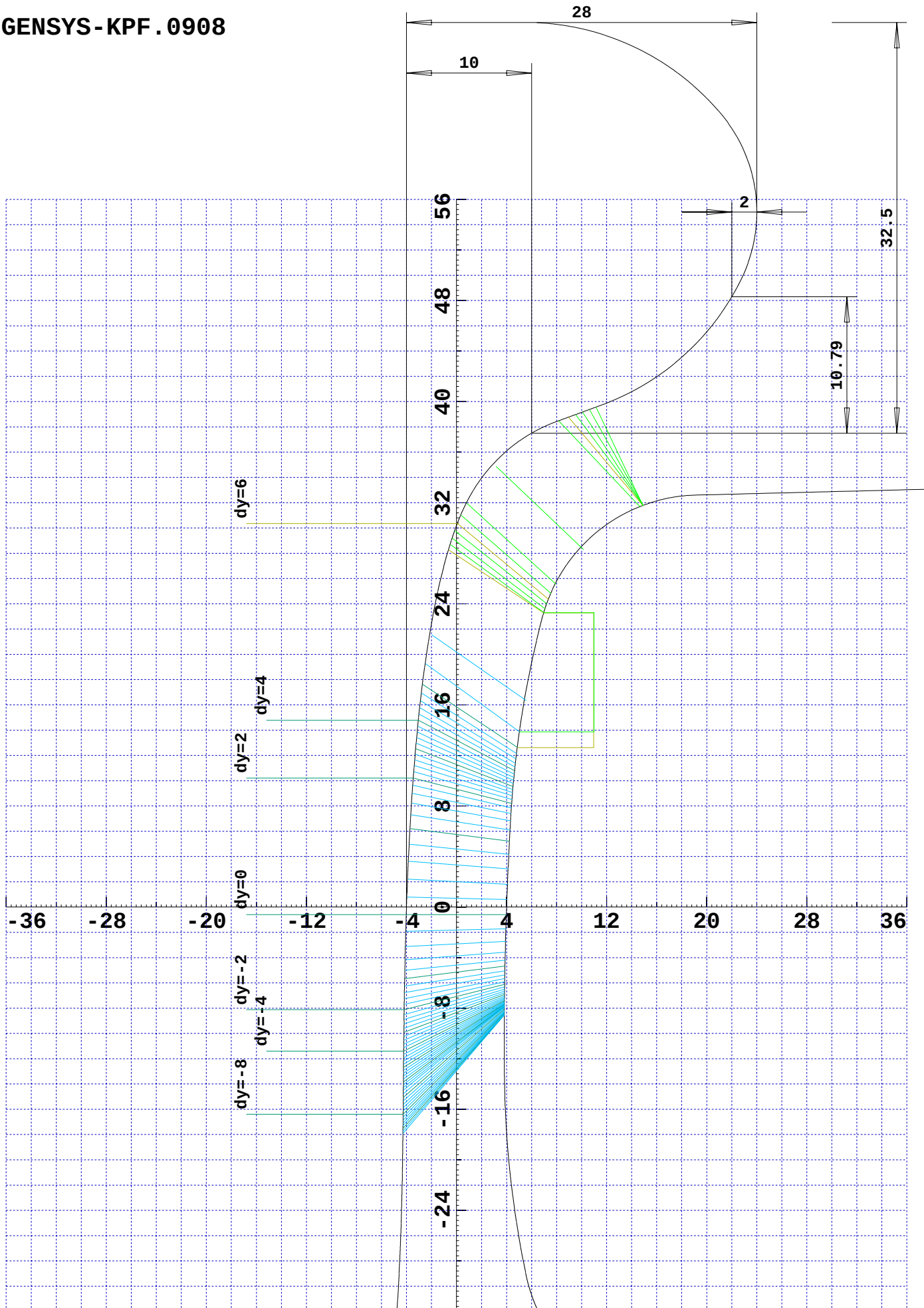
Right wheel

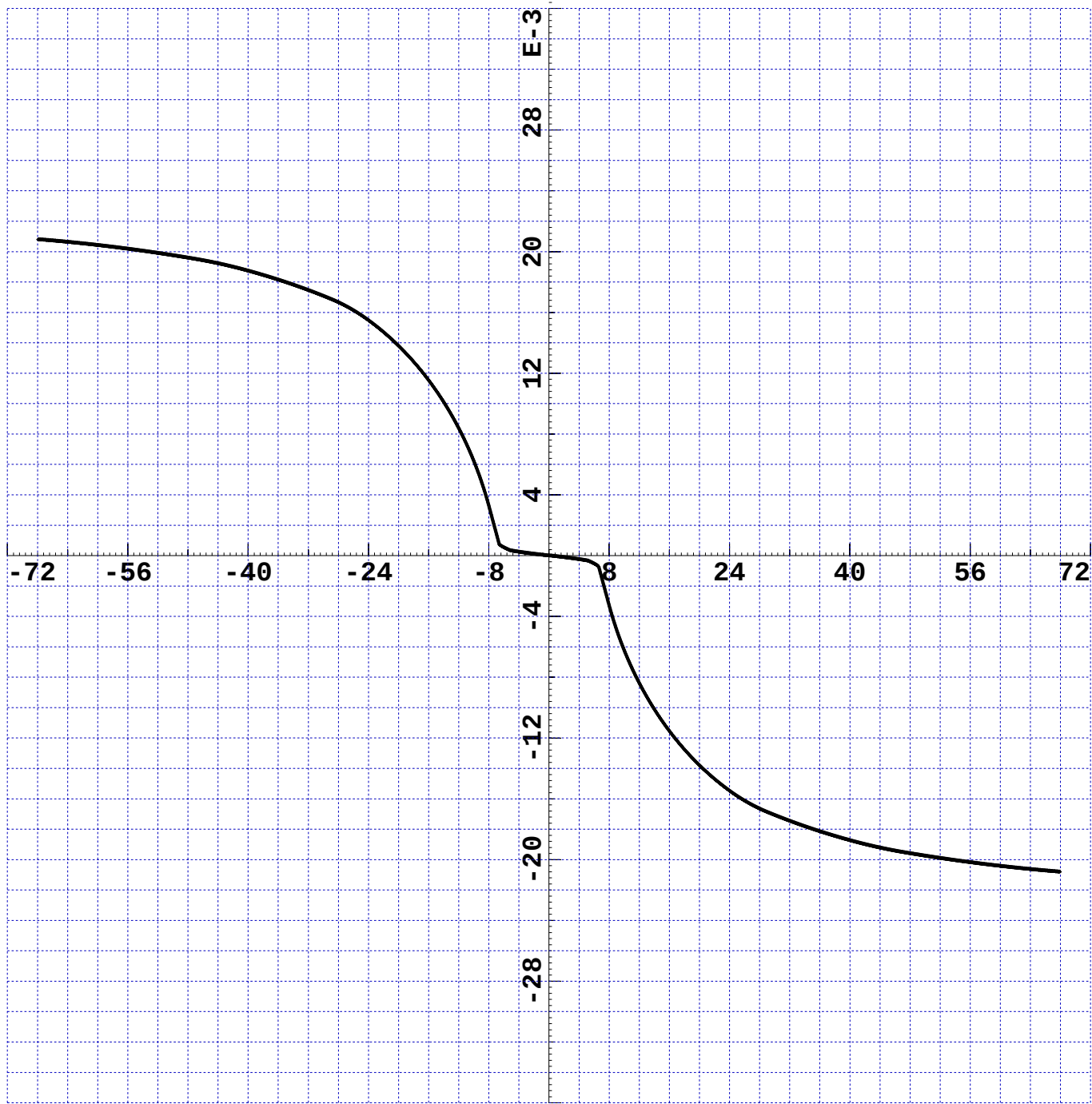


Left wheel

Right wheel

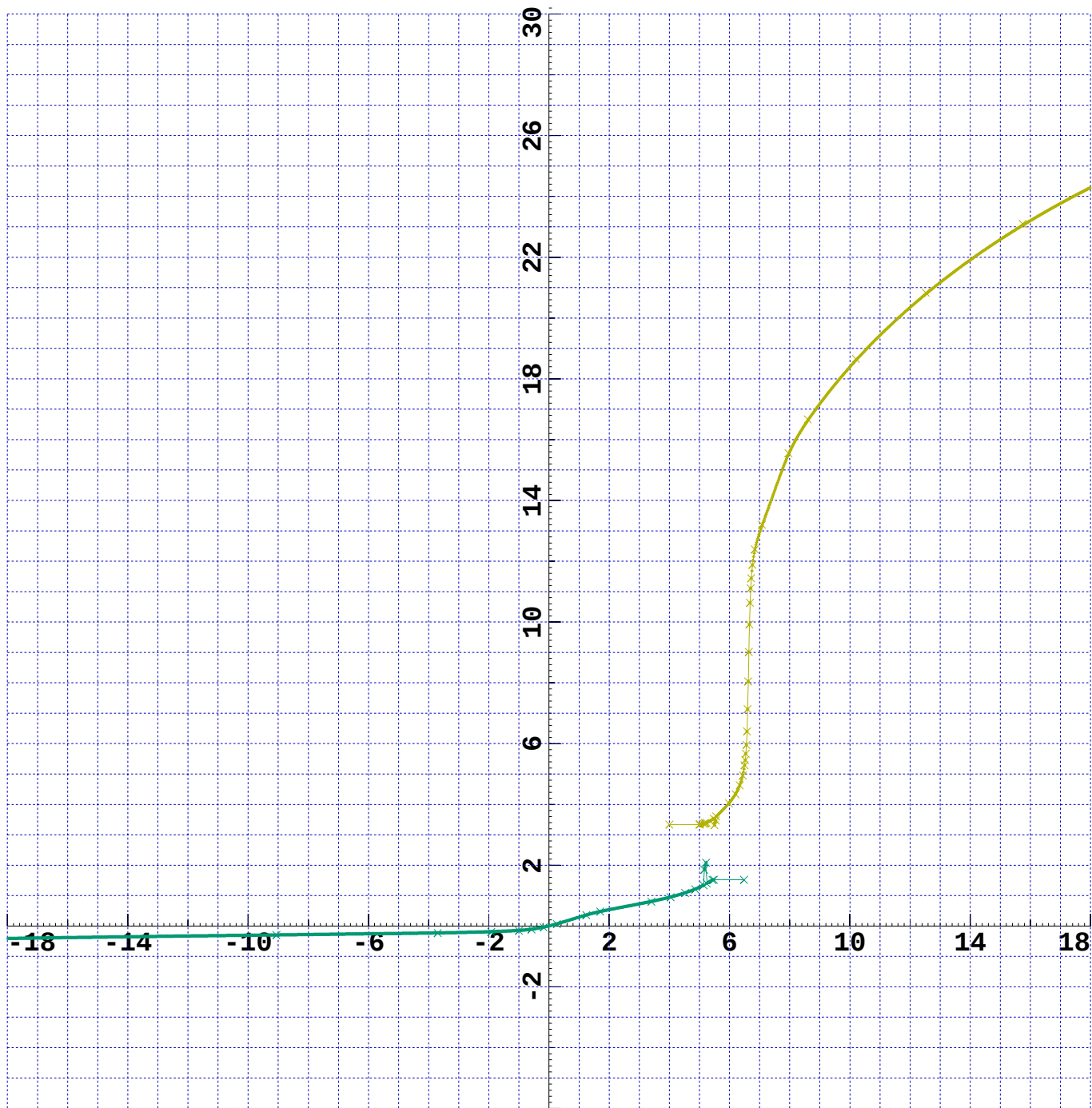






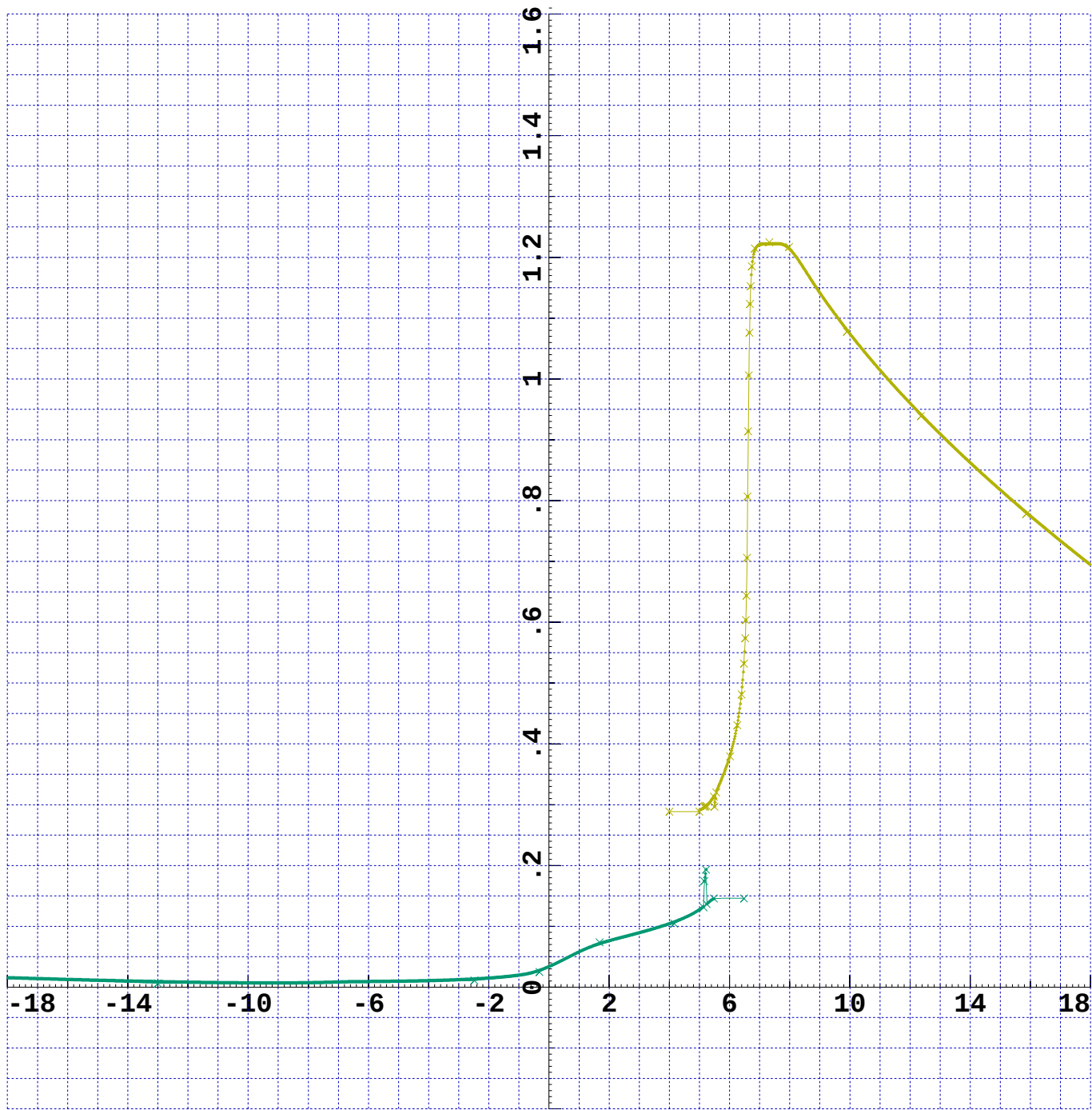
Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
Wprof_lat_shift= 0 Gauge= 1425-1441

FIaxl
ENS1002t32.5_uic60i40_c



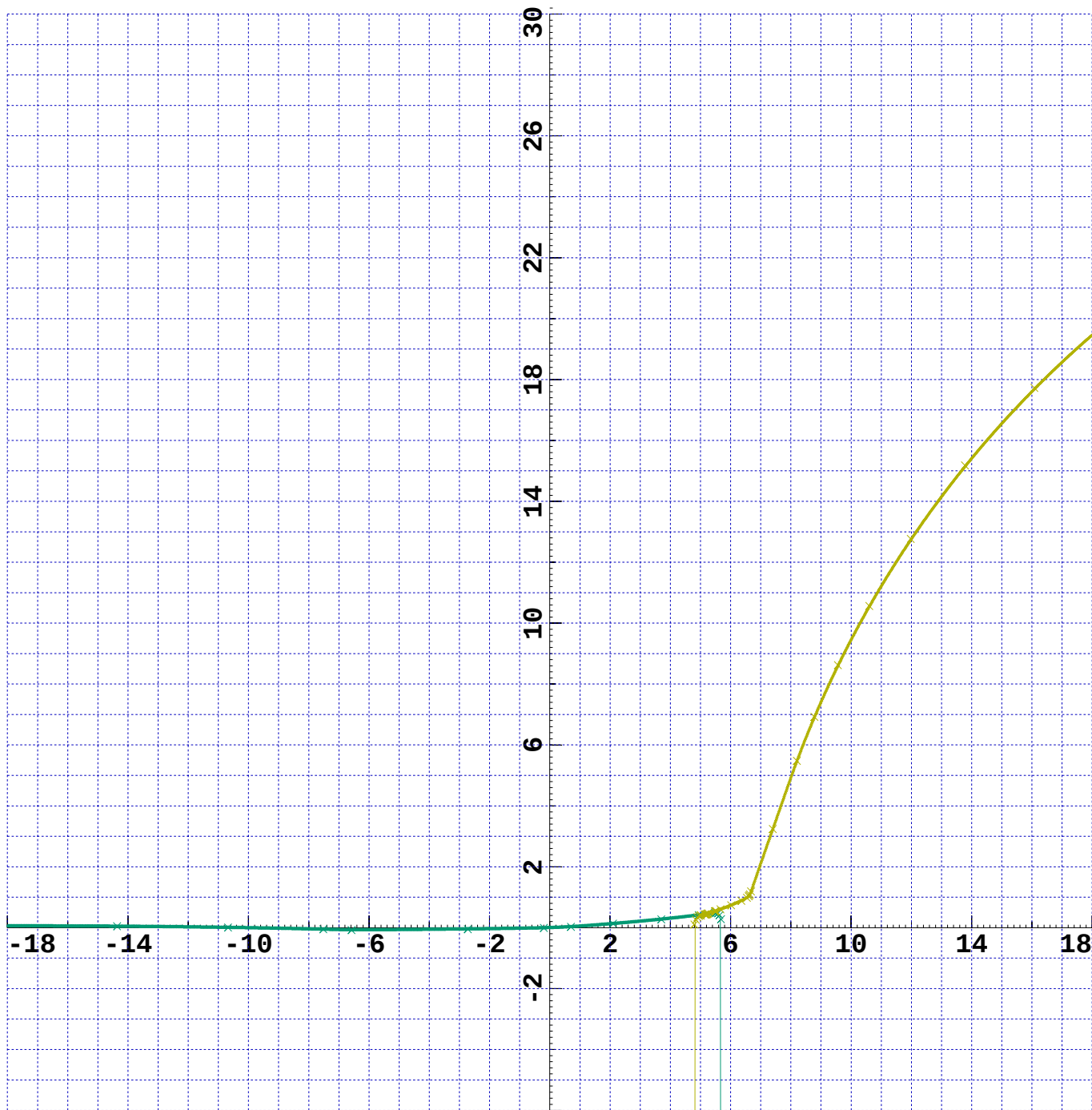
Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
Wprof_lat_shift= 0 Gauge= 1425-1441

DRFnr
ENS1002t32.5_uic60i40_c



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
Wprof_lat_shift= 0 Gauge= 1425-1441

GAMFnr
ENS1002t32.5_uic60i40_c



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
Wprof_lat_shift= 0 Gauge= 1425-1441

ZFNr
ENS1002t32.5_uic60i40_c



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
Wprof_lat_shift= 0 Gauge= 1425-1441

ROFNR
ENS1002t32.5_uic60i40_c



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
Wprof_lat_shift= 0 Gauge= 1425-1441

POSWr
ENS1002t32.5_uic60i40_c



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
Wprof_lat_shift= 0 Gauge= 1425-1441

POSRr
ENS1002t32.5_uic60i40_c



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
Wprof_lat_shift= 0 Gauge= 1425-1441

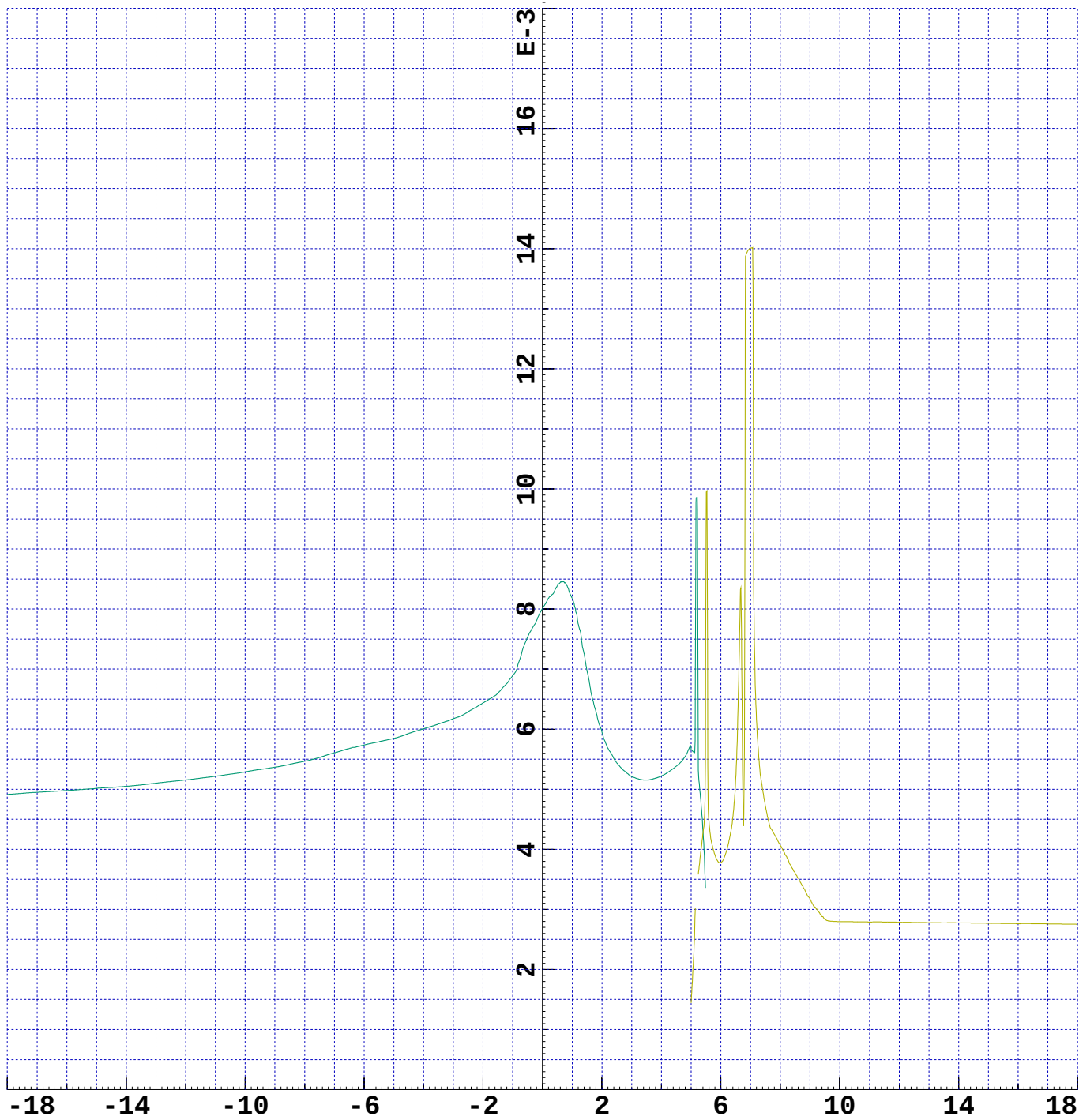
ZWr
ENS1002t32.5_uic60i40_c



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
Wprof_lat_shift= 0 Gauge= 1425-1441

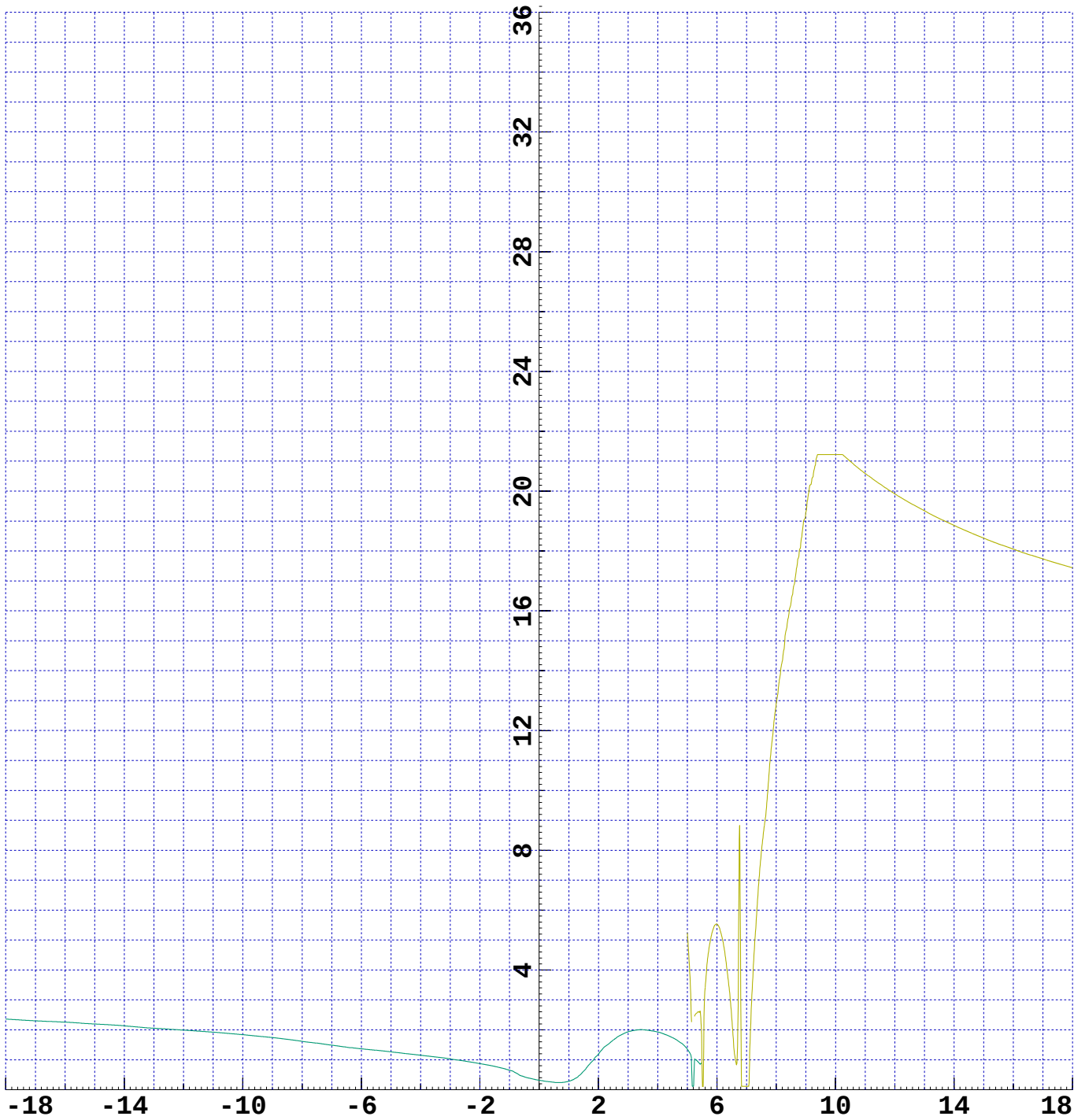
ZRr

ENS1002t32.5_uic60i40_c



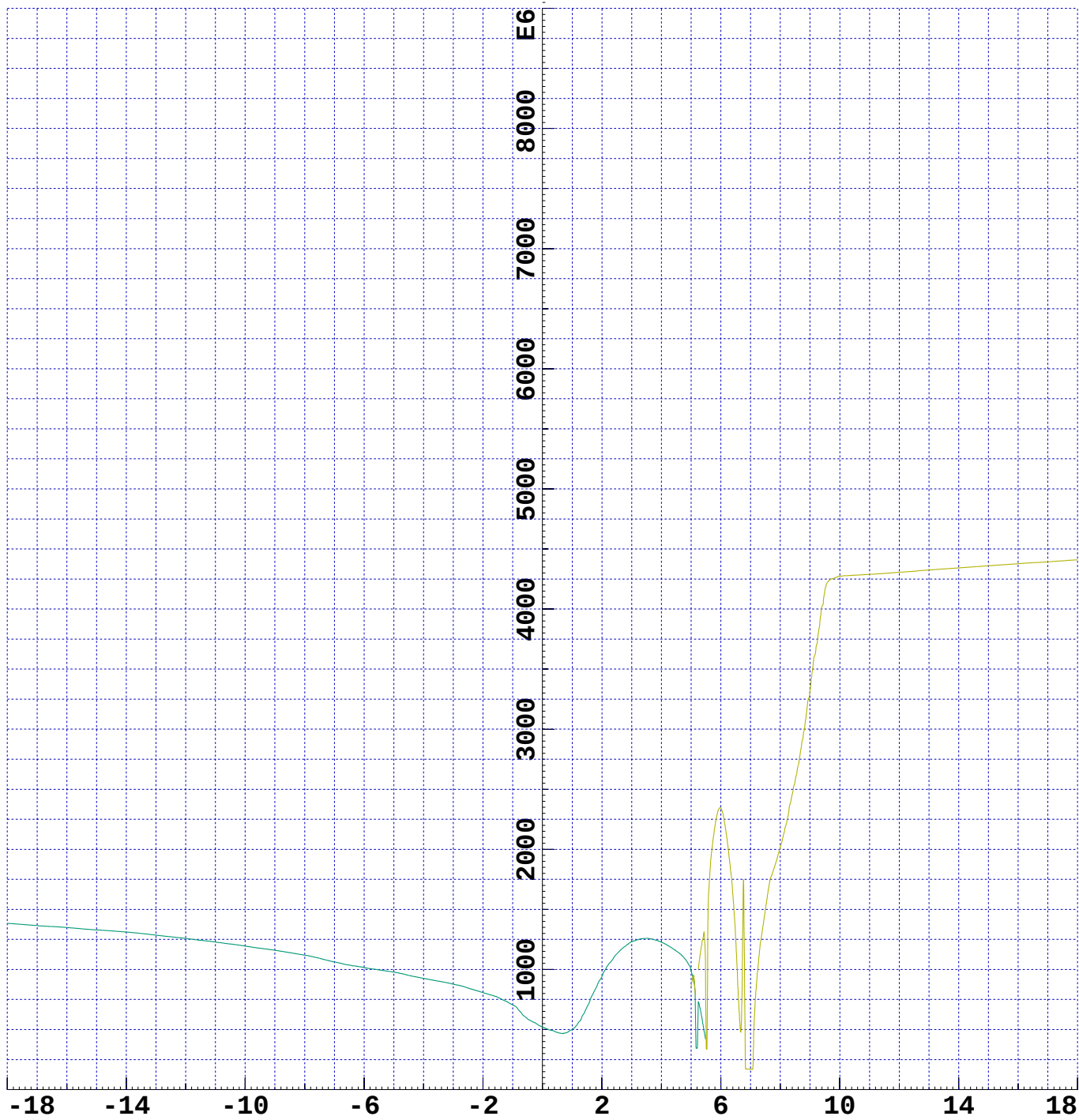
Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
Wprof_lat_shift= 0 Gauge= 1425-1441

C_r
ENS1002t32.5_uic60i40_c



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
Wprof_lat_shift= 0 Gauge= 1425-1441

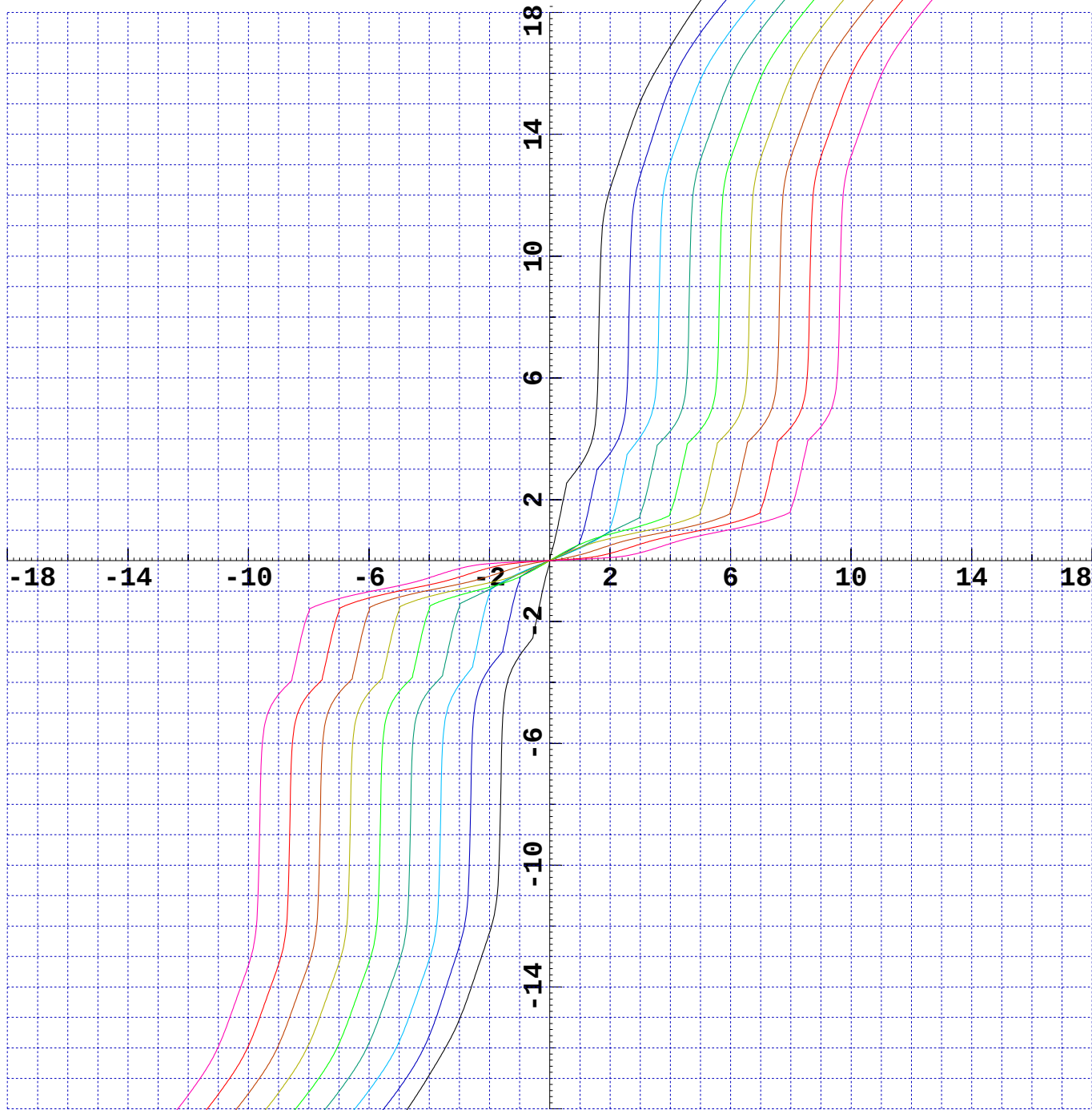
A/B_r
ENS1002t32.5_uic60i40_c



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
Wprof_lat_shift= 0 Gauge= 1425-1441

SIGMAR
ENS1002t32.5_uic60i40_c

Gauge= 1425
1427
1429
1431
1433
1435
1437
1439
1441



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
wprof_lat_shift= 0 Gauge= 1425-1441

rr-rl
ENS1002t32.5_uic60i40_c

GENSYS-KPF.0908

Delta_Y=

.1

.5

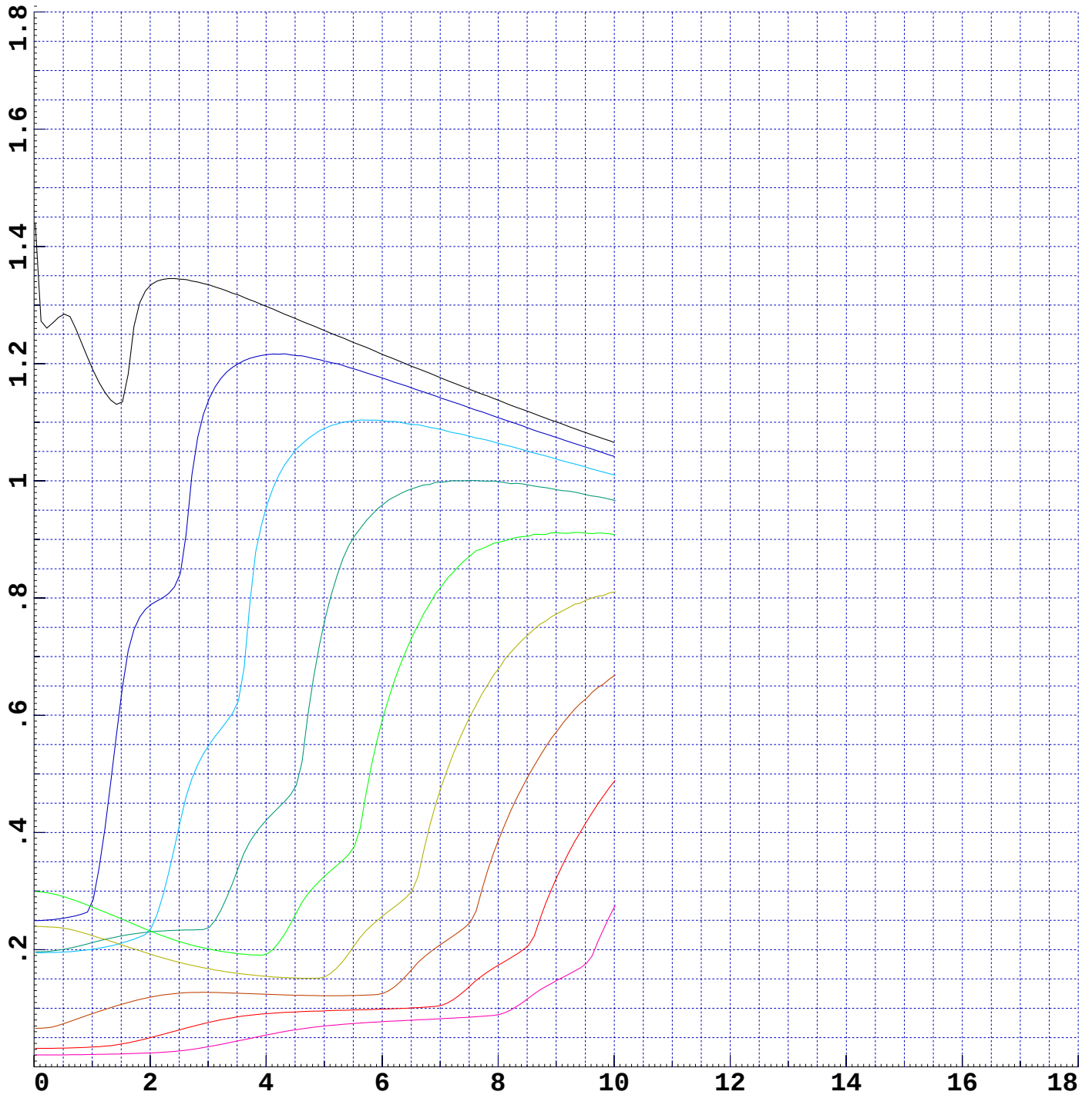
2

3

4

6

Gauge=	1425	—	1.306	1.283	1.333	1.335	1.297	1.216
	1427	—	.250	.254	.788	1.136	1.215	1.175
	1429	—	.195	.196	.235	.547	.954	1.103
	1431	—	.196	.201	.230	.238	.421	.958
	1433	—	.299	.291	.232	.201	.192	.591
	1435	—	.240	.237	.192	.168	.154	.257
	1437	—	.066	.073	.119	.127	.124	.125
	1439	—	.032	.032	.050	.076	.091	.098
	1441	—	.020	.020	.024	.034	.054	.077



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
 Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
 Wprof_lat_shift= 0 Gauge= 1425-1441

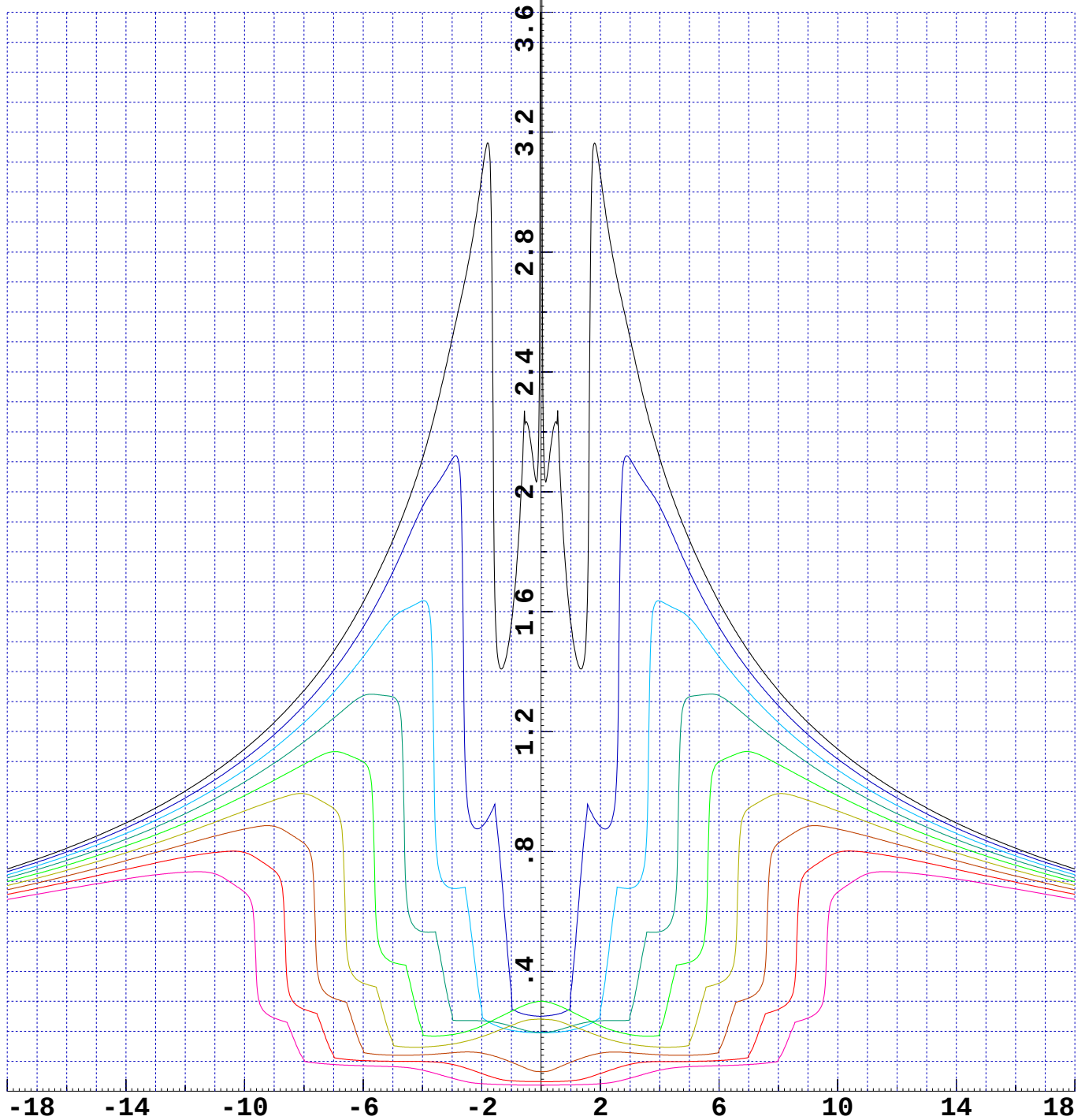
UIC519

ENS1002t32.5_uic60i40_c

GENSYS-KPF.0908

Delta_Y=

Delta_Y=		.1	.5	2	3	4	6	
Gauge=	1425	—	2.099	2.234	3.054	2.511	2.111	1.632
	1427	—	.250	.256	.883	2.108	1.950	1.549
	1429	—	.195	.197	.274	.677	1.636	1.450
	1431	—	.197	.202	.235	.256	.532	1.320
	1433	—	.300	.289	.218	.189	.200	1.099
	1435	—	.240	.236	.182	.157	.147	.360
	1437	—	.066	.076	.127	.128	.122	.138
	1439	—	.032	.032	.059	.090	.099	.102
	1441	—	.020	.020	.025	.043	.070	.085

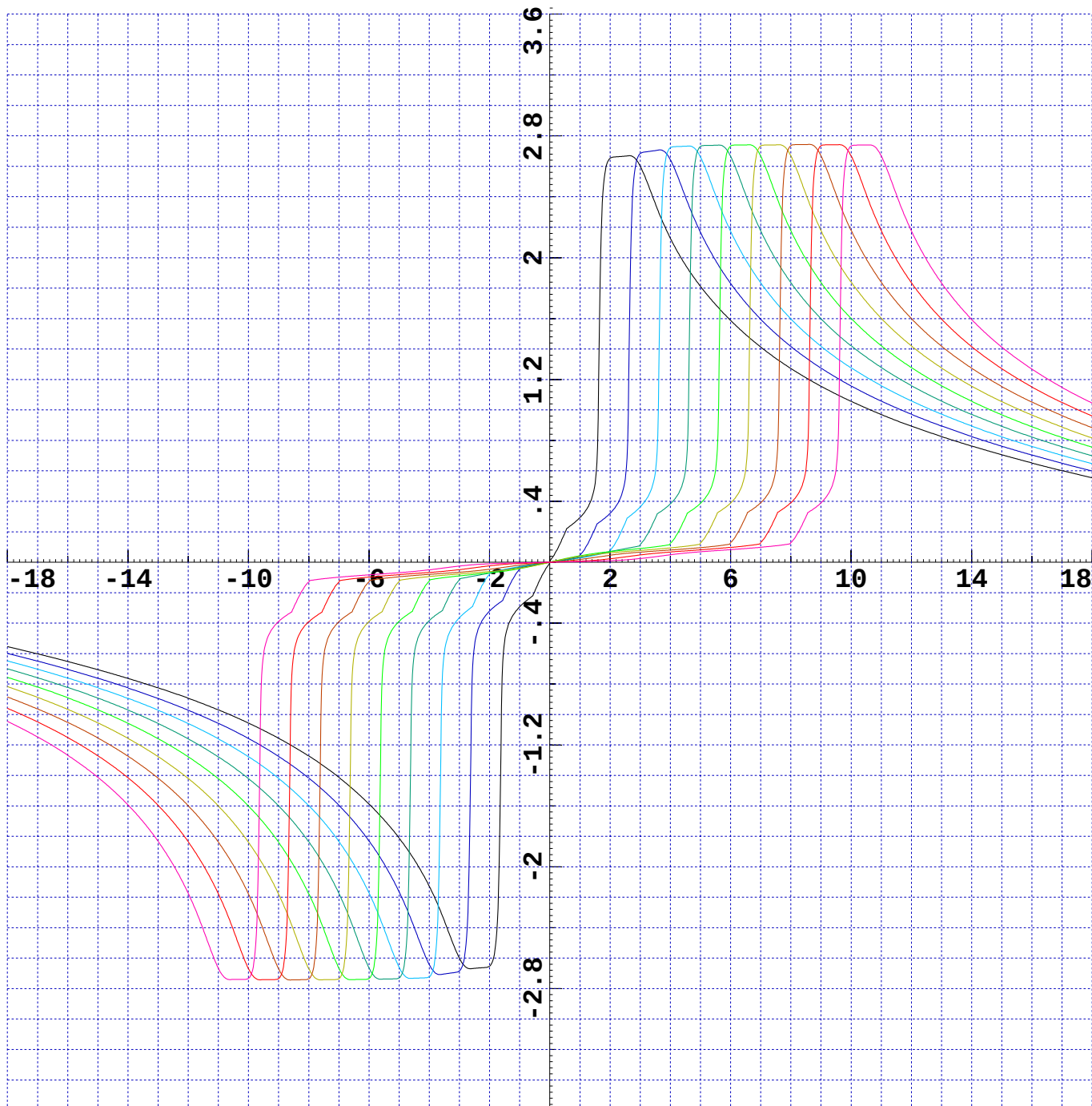


Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
 Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
 Wprof_lat_shift= 0 Gauge= 1425-1441

lambda

ENS1002t32.5_uic60i40_c

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



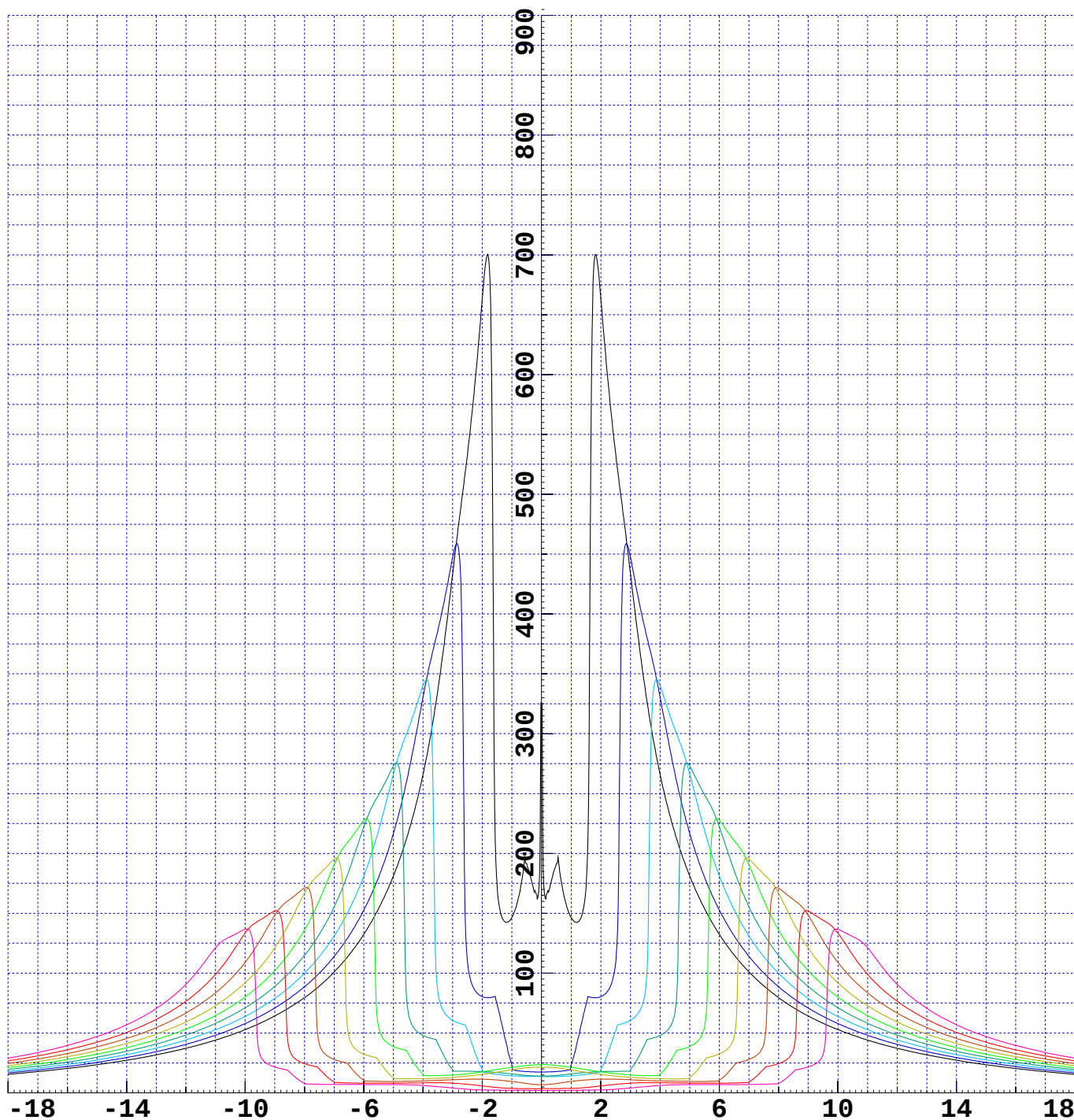
Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
 Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
 Wprof_lat_shift= 0 Gauge= 1425-1441

tan_Ga

ENS1002t32.5_uic60i40_c

GENSYS-KPF.0908

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	166.43	191.32	663.13	433.38	265.96	132.36
1427	—	17.44	17.82	80.35	447.35	330.35	152.57
1429	—	13.59	13.68	19.77	60.66	340.31	181.14
1431	—	14.05	14.50	17.73	19.59	47.87	222.18
1433	—	23.60	22.85	17.50	14.99	15.63	227.71
1435	—	21.44	21.01	15.39	12.92	11.77	32.39
1437	—	6.94	7.85	11.48	10.97	10.00	10.74
1439	—	3.48	3.52	5.82	8.08	8.41	8.13
1441	—	2.03	2.06	2.51	4.12	6.22	6.90



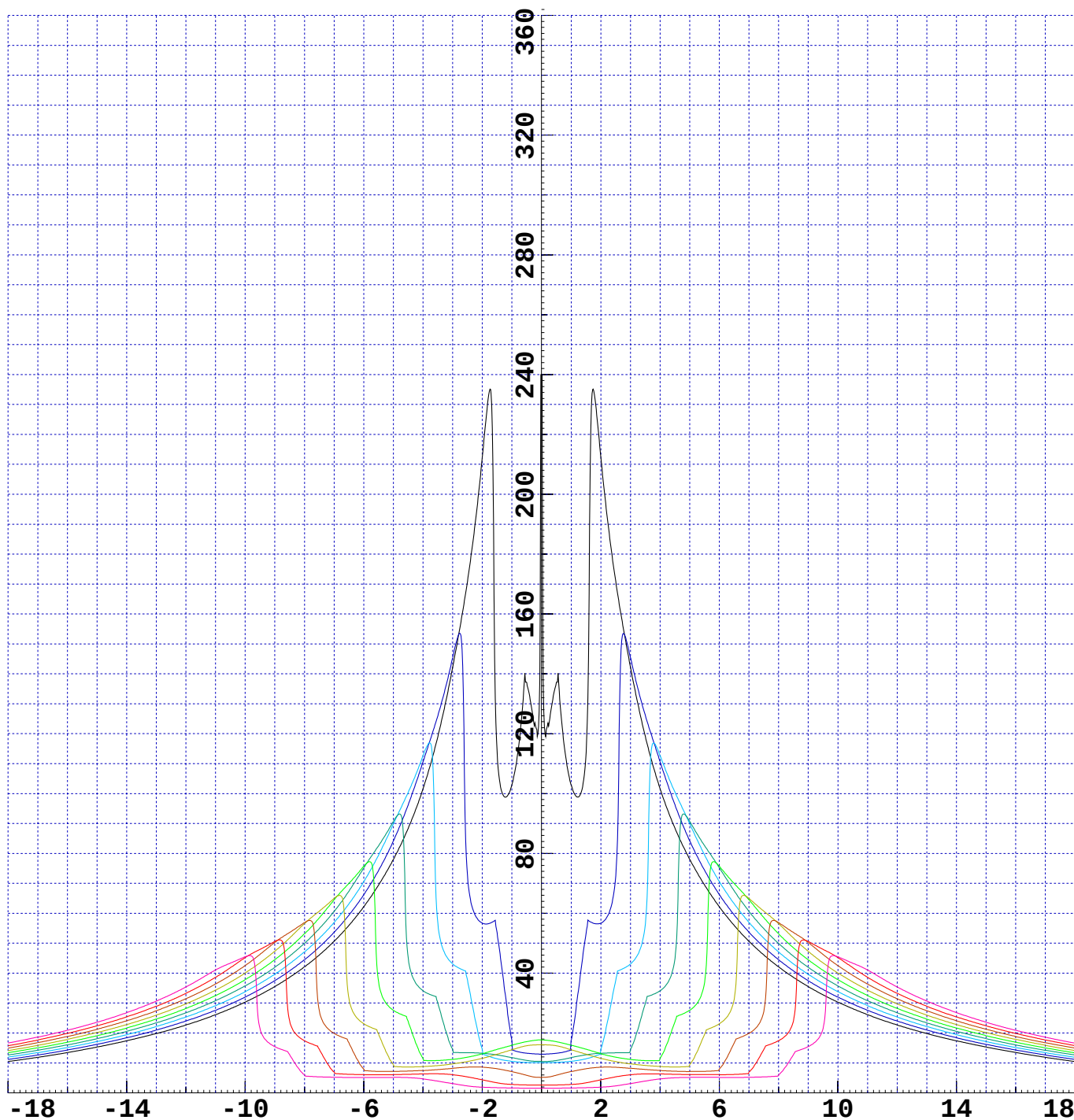
Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
 Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
 Wprof_lat_shift= 0 Gauge= 1425-1441

KAPPA

ENS1002t32.5_uic60i40_c

GENSYS-KPF.0908

Delta_Y=		.1	.5	2	3	4	6
Gauge= 1425	—	122.36	137.09	212.21	142.14	101.60	62.18
1427	—	12.93	13.22	56.69	145.40	110.58	66.22
1429	—	10.11	10.18	14.68	43.10	112.64	70.60
1431	—	10.48	10.81	13.23	14.58	34.10	75.17
1433	—	17.64	17.08	13.08	11.19	11.64	75.72
1435	—	16.06	15.74	11.51	9.66	8.80	23.09
1437	—	5.21	5.88	8.60	8.21	7.48	8.00
1439	—	2.61	2.64	4.36	6.05	6.29	6.07
1441	—	1.53	1.54	1.88	3.09	4.66	5.16



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel
 Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40
 Wprof_lat_shift= 0 Gauge= 1425-1441

EPS

ENS1002t32.5_uic60i40_c

GENSYS-KPF.0908

Delta_Y=

.1

.5

2

3

4

6

Gauge=

1425

—

.16

.24

.63

1.07

1.23

1.25

1427

—

.14

.14

.20

.46

.82

1.05

1429

—

.12

.12

.12

.16

.35

.83

1431

—

.11

.11

.10

.10

.13

.55

1433

—

.09

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.08

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.08

.24

1435

—

.04

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.06

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1437

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.05

1439

—

.02

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.03

.03

.04

1441

—

.01

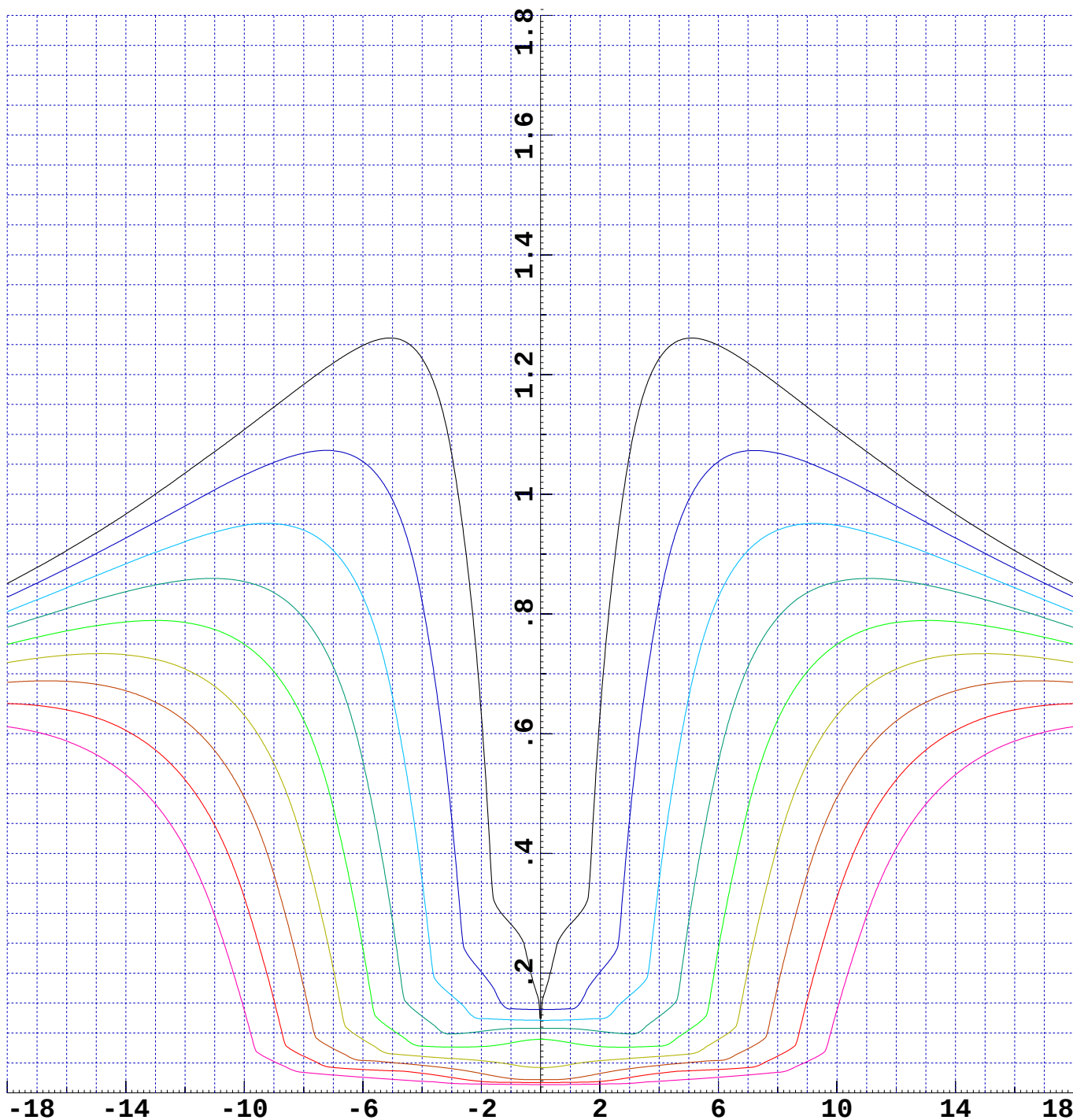
.01

.01

.02

.02

.03



Left wheel:ENS1002t32.5.wheel Right wheel:ENS1002t32.5.wheel

Left rail:uic60 incl.1/40 Right rail:uic60 incl.1/40

Wprof_lat_shift= 0 Gauge= 1425-1441

RollAC

ENS1002t32.5_uic60i40_c