

**Ark. Inklinometr
P – 8094 / 2012**

OBLICZENIE KRZYWIZNY OTWORU

Otwór:	ZIP-1
Rejon:	Zapadlisko Górnośląskie
Odcinek pomiarowy:	10.0 – 820.0 m
Odcinek obliczeń:	0.0 – 820.0 m
Rok badań:	2012

**Obliczenia krzywizny otworu wykonano „SYSTEMEM GEOWIN 1.5”
metodą promieni krzywizn.**

Zielona Góra, 2012

WYNIKI OBLICZENIA KRZYWIZNY OTWORU

Nazwa otworu: ZIP-1
Rejon: Zapadlisko Górnośląskie
Odcinek pomiarowy: 0.000 - 820.000 m
Początek obliczeń: X= 0.000 m
 Y= 0.000 m
 Z= 0.000 m
Wysokość podbudowy: 0,7 m

Typ inklinometru: DOT-33
Metoda promieni krzywizn
Ilość punktów pośrednich n=1

Data: 2012

Opracowujący: mgr inż. I. Mikołajewicz
Weryfikator: inż. R. Burliga

L.p.	Głęb. pom. [m]	Kąt [°]	Azymut [°]	Głęb. rzecz. [m]	x(0°) [m]	y(90°) [m]	x(133.33°) [m]	y(223.33°) [m]
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.00
2	10.00	0.47	125.15	10.00	-0.02	0.03	0.04	-0.01
3	20.00	0.76	125.15	20.00	-0.09	0.12	0.15	-0.02
4	30.00	1.07	125.15	30.00	-0.18	0.25	0.31	-0.04
5	40.00	2.17	125.15	39.99	-0.34	0.48	0.59	-0.08
6	50.00	2.68	125.15	49.98	-0.58	0.83	1.00	-0.14
7	60.00	3.76	125.15	59.97	-0.91	1.29	1.56	-0.22
8	70.00	4.98	125.15	69.94	-1.35	1.91	2.31	-0.33
9	80.00	6.21	125.15	79.89	-1.91	2.71	3.28	-0.47
10	90.00	7.59	125.15	89.82	-2.60	3.69	4.47	-0.64
11	100.00	8.51	125.15	99.72	-3.41	4.84	5.85	-0.84
12	110.00	9.28	125.15	109.60	-4.29	6.10	7.38	-1.06
13	120.00	9.20	125.15	119.47	-5.22	7.41	8.97	-1.29
14	130.00	8.98	125.15	129.34	-6.13	8.71	10.54	-1.52
15	140.00	8.44	125.15	139.23	-7.00	9.94	12.04	-1.73
16	150.00	8.37	125.15	149.12	-7.84	11.14	13.48	-1.94
17	160.00	8.29	125.15	159.02	-8.68	12.32	14.92	-2.15
18	170.00	7.94	125.15	168.92	-9.49	13.48	16.31	-2.35
19	180.00	7.18	125.15	178.83	-10.25	14.55	17.62	-2.53
20	190.00	7.45	133.80	188.75	-11.05	15.53	18.88	-2.62
21	200.00	7.34	133.40	198.67	-11.94	16.47	20.17	-2.61
22	210.00	7.25	134.16	208.58	-12.82	17.38	21.44	-2.60
23	220.00	7.26	135.31	218.50	-13.71	18.28	22.71	-2.57
24	230.00	7.19	133.96	228.42	-14.59	19.18	23.96	-2.54
25	240.00	6.99	134.92	238.35	-15.46	20.06	25.20	-2.52
26	250.00	6.81	133.08	248.28	-16.29	20.92	26.40	-2.51
27	260.00	6.43	134.76	258.21	-17.09	21.75	27.55	-2.49
28	270.00	6.60	133.60	268.14	-17.88	22.57	28.69	-2.48
29	280.00	6.00	137.95	278.08	-18.67	23.33	29.78	-2.43
30	290.00	5.95	136.99	288.03	-19.44	24.03	30.82	-2.36
31	300.00	5.55	135.91	297.98	-20.16	24.72	31.82	-2.30
32	310.00	5.48	133.64	307.93	-20.84	25.41	32.78	-2.28
33	320.00	6.06	128.42	317.88	-21.50	26.16	33.78	-2.32
34	330.00	4.71	135.75	327.84	-22.13	26.86	34.72	-2.34
35	340.00	5.48	133.40	337.80	-22.75	27.49	35.61	-2.32
36	350.00	4.69	134.60	347.76	-23.37	28.13	36.50	-2.31
37	360.00	4.92	131.65	357.72	-23.94	28.74	37.33	-2.31
38	370.00	4.79	132.01	367.69	-24.50	29.37	38.18	-2.33
39	380.00	4.77	135.08	377.65	-25.08	29.98	39.01	-2.33
40	390.00	4.80	140.02	387.62	-25.69	30.54	39.84	-2.27
41	400.00	4.72	139.14	397.58	-26.32	31.08	40.67	-2.18
42	410.00	4.31	139.18	407.55	-26.92	31.59	41.45	-2.10
43	420.00	4.29	140.38	417.52	-27.49	32.08	42.20	-2.02
44	430.00	4.07	140.98	427.50	-28.06	32.54	42.92	-1.92
45	440.00	4.04	139.70	437.47	-28.60	32.99	43.62	-1.84
46	450.00	4.05	139.58	447.45	-29.14	33.45	44.32	-1.76
47	460.00	3.56	137.15	457.43	-29.63	33.89	44.98	-1.70
48	470.00	3.48	140.82	467.41	-30.10	34.29	45.59	-1.64
49	480.00	3.52	135.20	477.39	-30.55	34.70	46.20	-1.59
50	490.00	3.40	134.40	487.37	-30.98	35.13	46.81	-1.57
51	500.00	3.32	134.96	497.35	-31.39	35.54	47.39	-1.56
52	510.00	3.14	133.92	507.34	-31.78	35.95	47.96	-1.55
53	520.00	2.87	143.45	517.32	-32.18	36.29	48.48	-1.50
54	530.00	2.83	141.18	527.31	-32.57	36.59	48.97	-1.42
55	540.00	2.64	139.86	537.30	-32.94	36.90	49.44	-1.36
56	550.00	2.64	141.22	547.29	-33.29	37.19	49.90	-1.31
57	560.00	2.40	143.13	557.28	-33.64	37.46	50.33	-1.24
58	570.00	2.59	143.61	567.27	-33.99	37.72	50.76	-1.16

L.p.	Głęb. pom. [m]	Kąt [°]	Azymut [°]	Głęb. rzecz. [m]	x(0°) [m]	y(90°) [m]	x(133.33°) [m]	y(223.33°) [m]
59	580.00	2.46	143.05	577.26	-34.34	37.98	51.19	-1.09
60	590.00	2.23	141.57	587.25	-34.66	38.23	51.60	-1.02
61	600.00	2.17	141.53	597.24	-34.97	38.47	51.98	-0.97
62	610.00	1.85	142.81	607.24	-35.24	38.69	52.32	-0.91
63	620.00	1.77	142.57	617.23	-35.49	38.88	52.64	-0.86
64	630.00	1.74	143.17	627.23	-35.74	39.06	52.94	-0.81
65	640.00	1.75	139.30	637.22	-35.97	39.25	53.24	-0.77
66	650.00	1.62	136.95	647.22	-36.19	39.45	53.53	-0.75
67	660.00	1.48	138.11	657.22	-36.39	39.63	53.80	-0.73
68	670.00	1.55	139.70	667.21	-36.59	39.80	54.06	-0.70
69	680.00	1.44	142.01	677.21	-36.79	39.97	54.32	-0.67
70	690.00	1.52	146.52	687.21	-37.00	40.12	54.57	-0.62
71	700.00	1.50	145.52	697.20	-37.22	40.27	54.83	-0.56
72	710.00	1.43	148.91	707.20	-37.43	40.40	55.08	-0.50
73	720.00	1.23	151.06	717.20	-37.64	40.52	55.30	-0.43
74	730.00	1.15	145.32	727.19	-37.81	40.63	55.50	-0.38
75	740.00	1.21	147.71	737.19	-37.98	40.74	55.70	-0.33
76	750.00	1.28	148.31	747.19	-38.17	40.86	55.91	-0.28
77	760.00	1.14	149.07	757.19	-38.35	40.97	56.12	-0.22
78	770.00	1.11	145.64	767.19	-38.52	41.07	56.31	-0.17
79	780.00	1.04	146.92	777.18	-38.67	41.18	56.49	-0.13
80	790.00	1.00	148.59	787.18	-38.82	41.27	56.66	-0.09
81	800.00	0.87	145.92	797.18	-38.96	41.36	56.82	-0.05
82	810.00	1.01	141.97	807.18	-39.09	41.46	56.98	-0.02
83	820.00	0.82	137.07	817.18	-39.21	41.56	57.14	0.00

Odchylenie spodu otworu: 57.14 m
Azymut odchylenia spodu otworu: 133.33°
Azymut płaszczyzny dodatkowego rzutu pionowego: 133.33°

UWAGI:

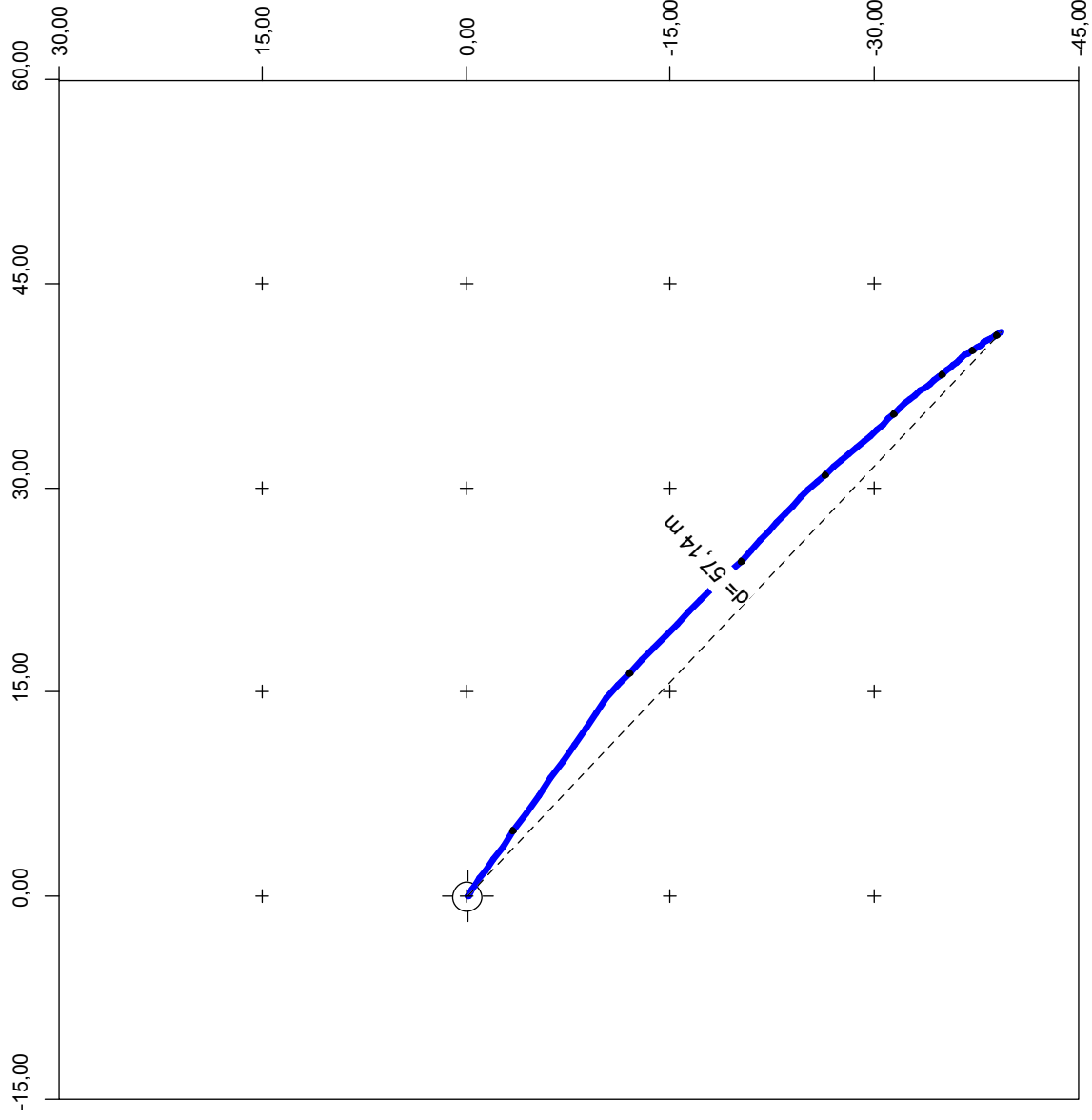
Ze względu na pomiar w rurach -a interwale 0,0-170,0m przyjęto wartość azymutu 125,15.

Program Inklinometr ver. 1.2.0.38

SYSTEM GEOWIN 1.5

Zakład Geofizyki WGGiOŚ - AGH, Geofizyka Kraków Sp. z o.o.

Rzut poziomy osi otworu ZIP-1



Oczko siatki:
dx=15,00 m

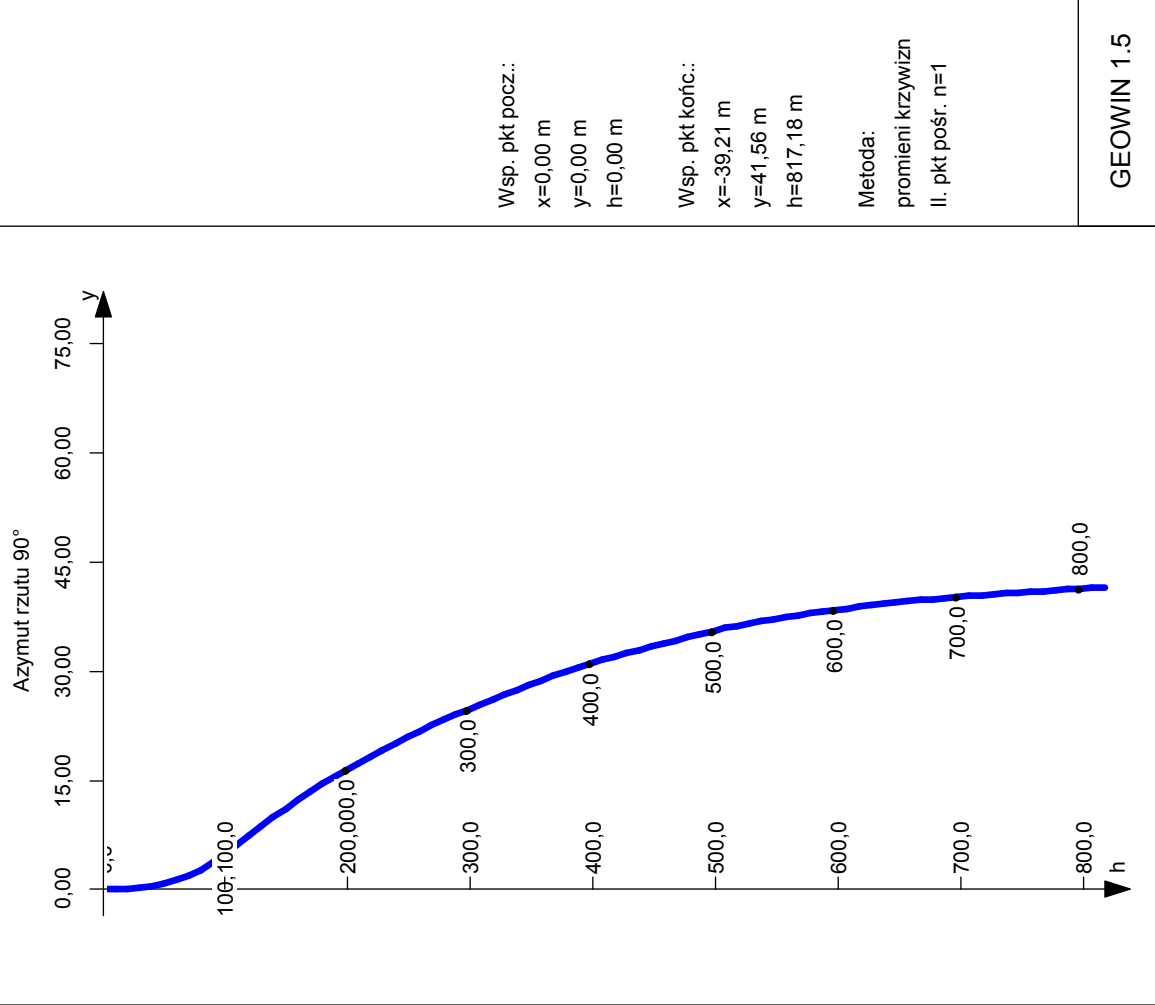
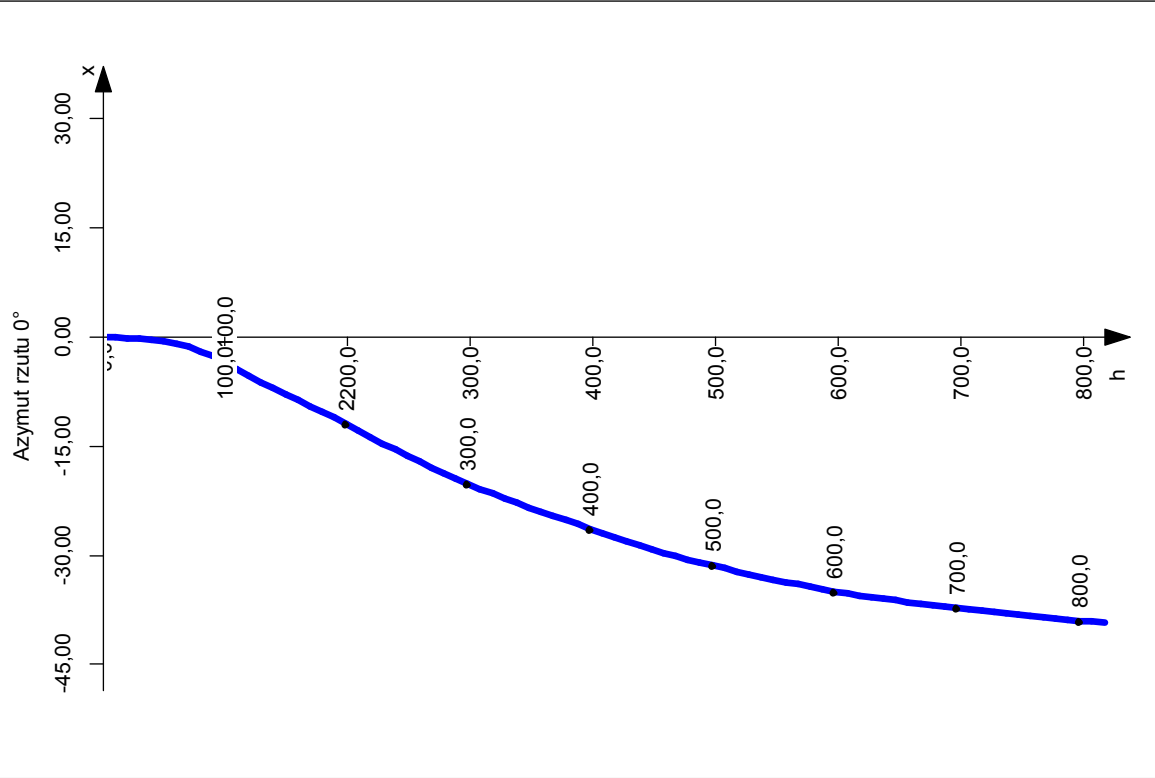
Wsp. pkt pocz.:
x=0 m
y=0 m
h=0 m

Wsp. pkt końc.:
x=-39,21 m
y=41,56 m
h=817,18 m

Metoda:
promieni krzywizn
il. p. pośr. n=1
d= 57,14 m
azymut= 133,33°

GEOWIN 1.5

Rzut pionowy osi otworu ZIP-1



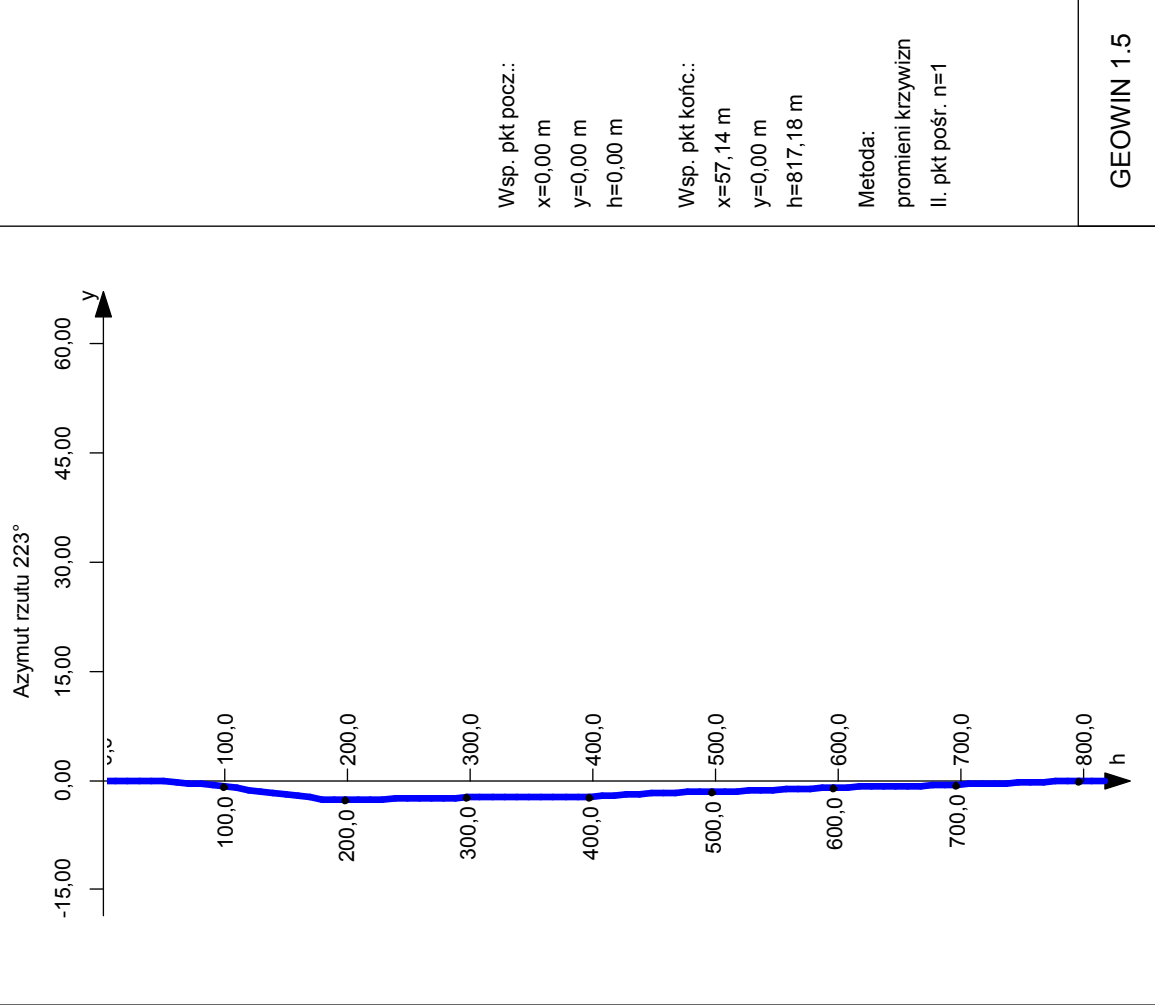
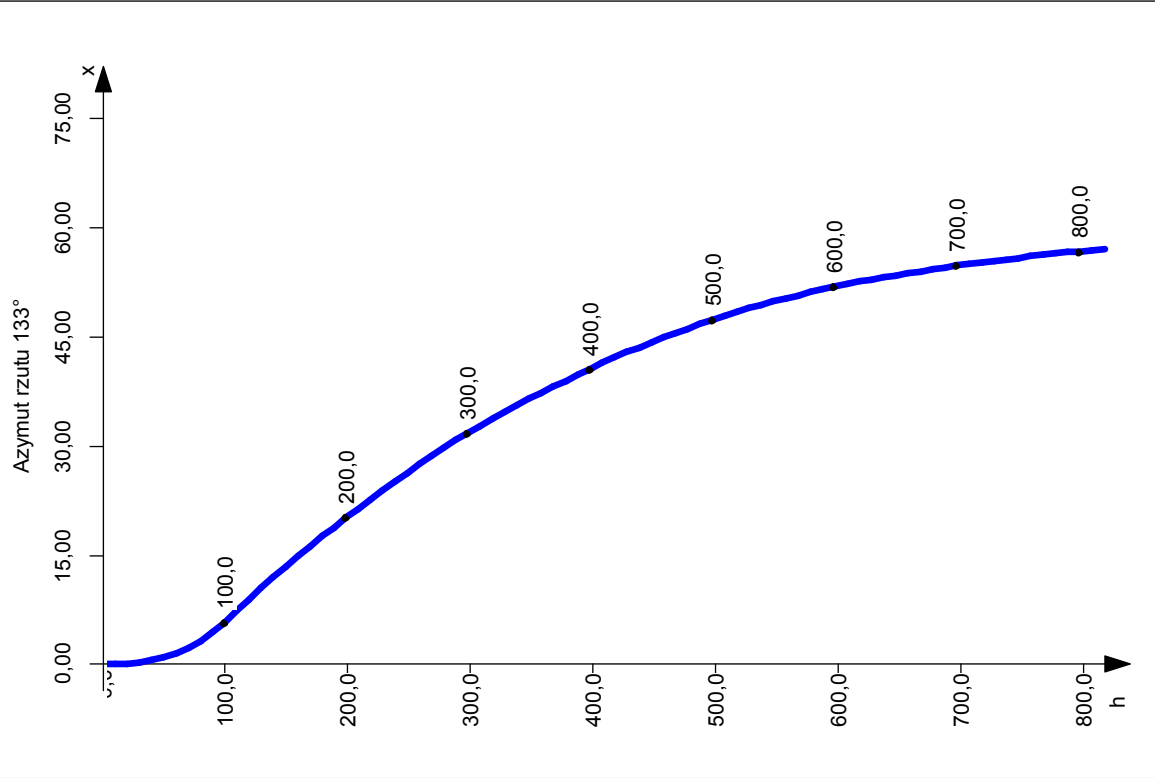
Wsp. pkt pocz.:
 x=0,00 m
 y=0,00 m
 h=0,00 m

Wsp. pkt końc.:
 x=-39,21 m
 y=41,56 m
 h=817,18 m

Metoda:
 promieni krzywizn
 Il. pkt pośr. n=1

GEOWIN 1.5

Rzut pionowy osi otworu ZIP-1



Wsp. pkt pocz.:
x=0,00 m
y=0,00 m
h=0,00 m

Wsp. pkt końc.:
x=57,14 m
y=0,00 m
h=817,18 m

Metoda:
promieni krzywizn
Il. pkt pośr. n=1

GEOWIN 1.5