

Na bazi premera dela sastojine crnog bora u Lipovici, površine p= 0.1 ha i poznate starosti od 55 godina:

N	d[cm]	h [m]	ld [m]	r1 [m]	r2 [m]	r3 [m]	r4 [m]	B.P.	N	d[cm]	h [m]	ld [m]	r1 [m]	r2 [m]	r3 [m]	r4 [m]	B.P.
1	26.1							1	45	21.1							3
2	26.7							1	46	26.3			1.4	1.8	2.4	2.3	1
3	22.8			1.4	2	2	1.3	1	47	25.6	18.1	12.8	1.4	1.5	1.2	2.8	2
4	18							1	48	29.3	18.9	13.3	3	2.3	1.7	1.9	2
5	27.8			1.4	2.1	1.4	2.9	1	49	22.5	18.1	14.5					1
6	32.4	23.2		1.3	2.5	2	3.2	1	50	/							/
7	28.8	18.1						1	51	22.6							3
8	21.5							2	52	19							3
9	19.1							1	53	19							2
10	18.6							2	54	17.5							1
11	22.5							2	55	22.4							3
12	22.5							1	56	/							/
13	21.8							2	57	25.3							1
14	27.6							1	58	30.8	20.1	14.2	3	1.8	1.6	3.9	2
15	30.3	19.3	14.1	1.7	1.5	2.8	3.1	1	59	25.9			2.5	1.4	1.8	2	2
16	20.2							2	60	30.8	22	14.7	1.6	2.6	2.2	3.1	1
17	30.4	20.9		2	2	2.3	2.3	2	61	25.1	21.1	13.2	1.1	1.9	2.2	2.5	3
18	26.7	19	14.5	1.5	2.2	2.1	1.5	2	62	21.3			2.4	1.8	0.6	1.8	1
19	16.6	18.3	14.4					2	63	28.8	21.8	13.8	2.5	1.6	1.8	2.8	1
20	24.4			2.4	1.7	1.5	1.8	1	64	18.2							1
21	22.7							1	65	26.2	21.5	14.4					2
22	22							1	66	30.7	22.6	15	2.3	2.2	2.1	3.1	2
23	27.6			1.8	1.1	2.4	2.1	1	67	27	20	13.3	1.6	1.8	2.1	2.9	1
24	16							3	68	25.9	21.1	14.1					3
25	20.1							2	69	29.4	20.3	13.4					3
26	13.3							2	70	21.7	19.4	13.9					3
27	20							2	71	20.6	18.3	13.1					1
28	33.3	22.9		1.8	2.3	2.4	3.7	1	72	24.1	19.1	13.2	2	2	2.6	1.9	2
29	21.7							1	73	/							/
30	36.9	24.1						1	74	23.6	18.1	12.5					1
31	24.7	21.4	14.3					2	75	27.9	17.8						2
32	24.2	21.9	14.9					1	76	35.6	23.6						3
33	30.7	21.4	14.8					2	77	26.7							1
34	12.4	17.6	14.5					3	78	/							/
35	22.7							2	79	26.1							2
36	23.9							2	80	16.8							1
37	27.9							1	81	31.9	22.4		2.9	2.6	2	3.5	1
38	/							/	82	24.3							1
39	19	16.1	12.8					1	83	22.8							3
40	26.9			2.3	1	2.5	2.7	1	84	23.1							3
41	24.7			1.9	1.9	1.5	2.6	1	85	29	19		1.8	2.1	3.1	2.8	3
42	25.9			2	1.9	1.8	3.5	2	86	20	18.6	13.3					1
43	28.5	17.9		2.6	2.2	1.6	3.2	2	87	22.8			1.6	1.4	2	2.6	1
44	24.6			1.6	1.5	2.7	2.6	2	Suma	2002.2							

Odrediti i analizirati sledeće elemente rasta i sastojinske izgrađenosti i po potrebi ih grafički predstaviti:
1. Srednje prečnike i visine;

1.1. Aritmetički srednji prečnik:

$$\overline{d} = \frac{1}{n} \sum_1^n d =$$

1.2. Srednji prečnik po temeljnici:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50746.7}{n}} =$$

1.3. Srednji prečnik dominantnih stabala po temeljnici:

$$D_g = \sqrt{\frac{\sum_1^n D_{20\%}^2}{n_{20\%}}} =$$

1.4. Aritmetička srednja visina:

$$\overline{h} = \frac{1}{n} \sum_1^n h =$$

1.5. Srednja visina dominantnih stabala:

$$H_g = \sqrt{\frac{\sum_1^n H_{20\%}^2}{n_{20\%}}} =$$

1.6. Visinsku krivu i krivu visina početka krošnje:

redova 60x65 kolona

