

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	26.2							1	45	21.2							3
2	26.7							1	46	26			1.4	1.7	2.4	2.3	1
3	22.4			1.4	2.4	2	1.7	1	47	25.7	17.6	12.9	1.7	1.8	1.5	2.8	2
4	18.1							1	48	29.6	18.8	13.6	2.9	2.2	1.5	2	2
5	27.9			1.8	2.3	1.2	3.3	1	49	22.3	18	14.2					1
6	32.7	23.6		1.5	2.5	2	3.2	1	50	/							/
7	29.1	18						1	51	22.8							3
8	21.6							2	52	18.9							3
9	19.1							1	53	18.8							2
10	18.6							2	54	17.8							1
11	22.8							2	55	22.6							3
12	22.7							1	56	/							/
13	21.9							2	57	25.4							1
14	28							1	58	30.5	20.3	14.3	2.8	1.9	1.3	3.7	2
15	30.2	19	13.8	1.7	1.4	3	3.4	1	59	25.8			2.3	1.7	1.7	2	2
16	20.5							2	60	30.7	22.2	14.5	1.7	2.7	2	3	1
17	30.9	20.9		2	2.1	2.6	2.4	2	61	24.9	21.3	13.2	1.1	1.6	2.3	2.7	3
18	26.9	19	14.4	2	2.3	1.8	1.8	2	62	21.2			2.5	1.6	1	1.8	1
19	17	18.3	14.1					2	63	28.6	22.1	14.1	2.4	1.7	1.9	2.8	1
20	24.5			2.2	1.8	1.9	1.5	1	64	18.3							1
21	22.5							1	65	26.2	21.1	14.6					2
22	22.3							1	66	30.8	22.7	14.9	2.3	2.5	2.2	3.3	2
23	27.8			2.2	1.1	2.3	2.2	1	67	27	19.8	12.9	1.8	1.6	2.3	3.2	1
24	15.9							3	68	25.8	21.1	14.4					3
25	20.2							2	69	29.4	20.1	13.4					3
26	13.2							2	70	21.5	19.3	14					3
27	20							2	71	20.8	18	13					1
28	33.3	23.2		1.9	2.1	2.5	3.6	1	72	24.5	19.5	13.3	2	1.6	2.7	2.3	2
29	21.6							1	73	/							/
30	37	23.5						1	74	23.6	18	12.1					1
31	25.2	21.7	14					2	75	28	17.9						2
32	24.2	22.2	15.2					1	76	36.1	23.6						3
33	30.4	21.4	14.9					2	77	26.8							1
34	12.2	17.7	14.3					3	78	/							/
35	22.4							2	79	26.4							2
36	24							2	80	17.2							1
37	27.7							1	81	31.8	22.5		3.2	2.3	2	3.8	1
38	/							/	82	24							1
39	19.3	16	12.4					1	83	22.5							3
40	26.8			2.4	1.1	2.3	2.9	1	84	23.2							3
41	24.8			2.2	1.9	1.3	2.3	1	85	29.3	19.1		1.9	2	3.2	2.7	3
42	25.9			1.8	1.8	2	3.1	2	86	19.9	18.8	13.3					1
43	28.2	17.7		2.8	2.1	1.5	3	2	87	23.1			1.6	1.4	1.7	2.6	1
44	24.7			1.9	1.6	2.5	2.6	2	Suma	2006.4							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50963.38}{n}} =$$

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

