

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	26.1			1.3	2.1	2.3	2	1
3	22.9			1.5	1.9	1.7	1.7	1	47	25.6	18.1	13.2	1.6	1.6	1.4	2.7	2
4	17.9							1	48	29.4	18.9	13.3	2.8	2.3	1.6	2.1	2
5	28.1			1.7	2.3	1.1	3	1	49	22.8	18.2	14.2					1
6	32.2	23.2		1.6	2.3	2.1	3.4	1	50	/							/
7	28.8	18.1						1	51	22.9							3
8	21.6							2	52	18.6							3
9	18.9							1	53	19.2							2
10	18.9							2	54	17.8							1
11	22.5							2	55	22.6							3
12	22.3							1	56	/							/
13	21.9							2	57	25.4							1
14	27.8							1	58	30.4	20.4	14.1	3	1.9	1.6	3.9	2
15	29.9	19.1	14	1.7	1.6	2.7	3.4	1	59	26.1			2.3	1.9	1.7	2	2
16	20.1							2	60	31	22.2	14.8	1.7	2.6	2.1	2.6	1
17	30.7	21		2.2	2.1	2.5	2.3	2	61	25.3	21.2	13.3	1.2	1.9	2.5	2.4	3
18	27.1	18.9	14.6	1.5	2.1	1.8	1.4	2	62	21.2			2.3	1.5	0.7	1.8	1
19	16.8	18.4	14.5					2	63	28.8	21.9	14.1	2.5	1.5	2	2.6	1
20	24.4			1.9	1.8	1.8	1.7	1	64	18							1
21	22.9							1	65	26.1	21.5	14.2					2
22	21.8							1	66	30.8	22.9	14.8	2.3	2.5	2.3	3	2
23	27.5			2.1	1.1	2.5	2.2	1	67	26.9	19.8	13.1	1.3	1.6	2.2	3.1	1
24	16							3	68	26	21	14.4					3
25	20.1							2	69	29.3	20.3	13.2					3
26	13.1							2	70	21.4	19.5	14.1					3
27	20							2	71	20.7	18.3	13.2					1
28	33	23.1		2	2.3	2.7	3.6	1	72	24.4	19.5	13	2	1.6	2.8	1.9	2
29	22.2							1	73	/							/
30	36.8	23.6						1	74	23.8	17.8	12.1					1
31	24.9	21.3	14.6					2	75	27.9	17.3						2
32	24.2	21.9	14.9					1	76	35.8	23.3						3
33	30.5	21.1	14.9					2	77	26.4							1
34	12.4	17.6	14.2					3	78	/							/
35	22.3							2	79	26.4							2
36	24.4							2	80	16.9							1
37	27.6							1	81	31.6	22.6		3.2	2.8	1.9	3.6	1
38	/							/	82	23.9							1
39	19.1	16.2	12.6					1	83	22.4							3
40	26.9			2.5	0.8	2.6	2.7	1	84	23.1							3
41	25			2	1.7	1.4	2.3	1	85	29.2	18.8		1.9	1.9	2.8	2.8	3
42	25.8			1.6	2	1.8	3.4	2	86	19.9	18.7	13.4					1
43	28.4	17.7		2.9	2.1	1.3	2.9	2	87	23.2			1.5	1.6	1.5	2.3	1
44	24.9			1.7	1.8	2.6	2.4	2	Suma	2003.8							

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:

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

1.2. Srednji prečnik po temeljnici:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50812.5}{n}} =$$

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:

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

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*

