

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	26.3							1	45	21.1							3
2	26.8							1	46	26.1			1.4	1.5	2.5	1.9	1
3	22.6			1.3	2.2	1.4	1.6	1	47	25.3	17.9	13.1	1.7	1.6	1.3	2.8	2
4	18							1	48	29.6	18.7	13.3	2.8	2.4	1.4	1.8	2
5	27.8			1.9	2.3	1.4	3	1	49	22.5	17.8	14.2					1
6	32.3	23.2		1.2	2	2.1	3.4	1	50	/							/
7	28.9	18.2						1	51	22.7							3
8	21.3							2	52	18.7							3
9	18.7							1	53	19							2
10	18.8							2	54	17.7							1
11	22.1							2	55	22.5							3
12	22.3							1	56	/							/
13	21.8							2	57	25.1							1
14	27.8							1	58	30.2	20.4	14.3	3	1.9	1.2	3.6	2
15	30	18.9	13.8	1.4	1.4	2.8	3.5	1	59	26			2.6	1.5	1.8	2	2
16	20.1							2	60	30.8	22.5	14.6	1.6	2.6	2.2	2.8	1
17	30.3	21		1.8	1.9	2.3	2.3	2	61	25.1	21	13.1	1.3	1.7	2.4	2.5	3
18	27.3	19.1	14.6	1.7	2.3	1.9	1.5	2	62	21.3			2.3	1.6	1.1	1.6	1
19	16.9	18.2	14.5					2	63	29	22	14.1	2.5	1.3	1.7	2.8	1
20	24.3			2	1.8	1.7	1.8	1	64	17.9							1
21	23.1							1	65	26.2	21.5	14.2					2
22	21.9							1	66	30.8	22.7	14.9	2.1	2.1	1.9	2.9	2
23	27.6			2.2	1.2	2.6	2.4	1	67	26.8	20.2	13.2	1.6	1.7	2.1	3	1
24	16.2							3	68	26	20.8	14.3					3
25	19.8							2	69	29.4	20.1	13.3					3
26	13.2							2	70	21.9	19.6	13.7					3
27	20.3							2	71	20.8	18.3	12.8					1
28	33.2	23.5		1.9	1.9	2.5	3.3	1	72	24.2	19.1	13	2.1	1.8	2.5	1.9	2
29	21.8							1	73	/							/
30	36.8	24						1	74	24.1	18	12					1
31	24.4	21.7	14					2	75	28	17.6						2
32	24.1	22	15					1	76	35.7	23.6						3
33	30.1	21.5	14.9					2	77	26.8							1
34	12.2	17.3	14.3					3	78	/							/
35	22.6							2	79	26.5							2
36	24.1							2	80	16.9							1
37	27.7							1	81	32.1	22.6		2.9	2.6	2.1	3.9	1
38	/							/	82	23.9							1
39	19.1	16.3	12.6					1	83	22.1							3
40	27			2.4	0.7	2.4	2.9	1	84	23.2							3
41	24.7			1.8	1.9	1.7	2.1	1	85	29.2	19.1		1.8	2.3	3	2.7	3
42	25.7			1.5	1.8	1.6	3.1	2	86	19.9	18.8	13.1					1
43	28.4	17.7		2.8	2.5	1.5	3.3	2	87	23.1			1.7	1.4	1.6	2.4	1
44	24.9			1.6	1.6	2.5	2.3	2	Suma	2001.5							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50712.21}{n}} =$$

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*

