



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	21.2							3
2	26.6							1	46	25.9			1.2	2	2.3	2.1	1
3	22.8			1.3	2.2	2	1.5	1	47	25.2	17.9	13.1	1.6	1.7	1.5	2.7	2
4	18.1							1	48	29.3	18.8	13.3	3.1	1.9	1.4	1.9	2
5	27.9			1.6	1.7	1.2	2.9	1	49	22.4	18	14.2					1
6	32.3	23.3		1.5	2.2	2.2	3.2	1	50	/							/
7	29.1	18.1						1	51	22.8							3
8	21.4							2	52	19							3
9	18.7							1	53	19							2
10	19							2	54	17.6							1
11	22.5							2	55	22.6							3
12	22.3							1	56	/							/
13	22							2	57	25.4							1
14	27.9							1	58	30.3	20.6	14	3.2	1.6	1.5	4	2
15	29.9	19	13.7	1.9	1.5	3.2	3.3	1	59	26			2.2	1.6	1.8	2.3	2
16	20.3							2	60	30.8	22.3	14.8	1.8	2.3	2	2.7	1
17	30.2	21.2		2.1	2.2	2.7	2.5	2	61	25.1	21.3	13.4	1.3	1.9	2.2	2.3	3
18	27.2	19	14.2	1.6	2.4	1.8	1.4	2	62	21.2			2.3	1.5	0.6	1.8	1
19	16.7	18.4	14.7					2	63	28.9	21.8	13.9	2.3	1.4	1.5	2.8	1
20	24.6			2.2	1.7	1.5	1.5	1	64	18.3							1
21	22.6							1	65	26	21.5	14.4					2
22	22.2							1	66	30.9	22.7	14.7	2.3	2.3	2.2	3	2
23	27.5			2	1.1	2.2	2.3	1	67	27.1	20.1	13.1	1.4	2.1	2.4	3.1	1
24	15.9							3	68	25.7	20.8	14.7					3
25	19.9							2	69	29.6	20.4	13.2					3
26	13.2							2	70	21.3	19.8	13.9					3
27	20.1							2	71	20.6	18.3	13.2					1
28	33.2	22.9		2.2	2.1	2.5	3.8	1	72	24.4	19.4	13.3	2	1.8	2.7	2.2	2
29	21.8							1	73	/							/
30	37	23.5						1	74	23.8	18	12.1					1
31	24.7	21.6	14.3					2	75	27.9	17.6						2
32	24.1	21.9	14.6					1	76	35.8	23.6						3
33	30.4	21.3	14.9					2	77	26.6							1
34	12.4	17.7	14.6					3	78	/							/
35	22.4							2	79	26.3							2
36	23.9							2	80	16.9							1
37	27.5							1	81	32	22.6		2.8	2.6	2	3.8	1
38	/							/	82	24							1
39	19.2	16.4	12.5					1	83	22.4							3
40	27.2			2.4	0.9	2.6	2.8	1	84	23.2							3
41	24.8			1.6	1.9	1.4	2.3	1	85	29.2	18.8		2.1	2	3.2	2.5	3
42	25.6			1.7	1.8	1.9	3.4	2	86	19.9	18.9	13.1					1
43	28.3	17.8		2.6	2.2	1.2	3.1	2	87	23.1			1.5	1.4	1.5	2.5	1
44	24.7			1.9	1.4	2.2	2.5	2	Suma	2002.1							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50737.37}{n}} =$$

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

