

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	20.9							3
2	26.2							1	46	26.1			1.4	1.5	2.4	1.9	1
3	22.8			1.6	2.4	1.9	1.5	1	47	25.4	18.1	13.2	1.3	1.6	1.3	2.7	2
4	18.2							1	48	29.7	18.9	13.6	3.1	2.3	1.8	2.1	2
5	27.7			1.8	2	1.3	3	1	49	22.6	18.1	14.2					1
6	32.3	23.4		1.3	2.3	2	3.2	1	50	/							/
7	28.8	18.2						1	51	22.8							3
8	21.8							2	52	19.2							3
9	19.1							1	53	19							2
10	18.8							2	54	17.5							1
11	22.8							2	55	22.7							3
12	22.3							1	56	/							/
13	21.9							2	57	25.5							1
14	27.9							1	58	30.3	20.3	14.2	2.9	1.8	1.4	3.8	2
15	30	18.9	14.1	1.6	1.5	2.9	3.7	1	59	25.9			2.3	1.7	1.9	2	2
16	20.2							2	60	30.7	22.4	14.8	1.5	2.5	2.3	2.9	1
17	30.6	20.9		2.1	2.3	2.1	2.2	2	61	25.2	21	13.1	1.1	1.9	2.2	2.6	3
18	27.2	19.1	14.5	2	2.3	1.9	1.6	2	62	21.3			2.4	1.6	0.7	1.6	1
19	17	18.2	14.4					2	63	28.8	21.7	14.1	2.3	1.4	1.6	2.9	1
20	24.5			2	1.5	1.8	1.5	1	64	18.1							1
21	22.7							1	65	26.1	21.3	14.3					2
22	22.2							1	66	31	22.6	14.7	2.3	2.1	2	3.1	2
23	27.7			2	1.3	2.5	2.2	1	67	26.8	19.9	12.9	1.8	1.5	2.4	2.9	1
24	16							3	68	25.9	21.2	14.4					3
25	19.9							2	69	29.6	20.3	13.3					3
26	13.2							2	70	21.7	19.3	13.8					3
27	20.1							2	71	20.8	18.4	13.1					1
28	33.1	23.1		1.8	1.9	2.8	3.5	1	72	24.3	19.3	13.1	2.3	1.8	2.8	2.1	2
29	21.7							1	73	/							/
30	36.8	23.7						1	74	23.7	17.9	12.1					1
31	24.7	21.8	14.3					2	75	28	17.7						2
32	24.3	21.8	14.9					1	76	35.8	23.4						3
33	30.4	21.2	15.2					2	77	26.8							1
34	12.3	17.5	14.6					3	78	/							/
35	22.6							2	79	26.2							2
36	24.1							2	80	16.7							1
37	27.8							1	81	31.8	22.4		2.8	2.9	2.1	3.8	1
38	/							/	82	24.2							1
39	19.2	16	12.5					1	83	22.6							3
40	26.9			2.6	0.7	2.4	2.7	1	84	22.8							3
41	24.5			1.6	1.7	1.4	2.8	1	85	29.1	19.2		1.6	1.9	2.6	2.9	3
42	25.7			1.7	2	1.6	3.2	2	86	19.9	18.6	13.3					1
43	28.3	17.9		2.7	2.3	1.5	3	2	87	23.4			1.6	1.4	1.5	2.6	1
44	24.8			1.5	1.5	2.5	2.7	2	Suma	2004.2							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50826.56}{n}} =$$

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

