

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	20.6							3
2	26.4							1	46	25.9			1.1	1.7	2.6	2	1
3	22.4			1.6	2.2	1.9	1.6	1	47	25.4	18	12.9	1.4	1.7	1.5	2.6	2
4	18.1							1	48	29.4	19	13.2	2.9	2.4	1.5	2.2	2
5	27.8			1.9	2.2	1.2	2.8	1	49	22.5	18.2	14.3					1
6	32.3	23.4		1.2	2.3	1.9	3.2	1	50	/							/
7	28.8	18.1						1	51	22.6							3
8	21.6							2	52	18.9							3
9	19							1	53	19.1							2
10	18.6							2	54	17.6							1
11	22.4							2	55	22.9							3
12	22.6							1	56	/							/
13	21.7							2	57	25.3							1
14	27.7							1	58	30.4	20.4	14.6	3.1	1.9	1.4	3.9	2
15	29.9	19.1	14	1.5	1.8	2.9	3.2	1	59	25.9			2.4	1.6	2	2.1	2
16	20.1							2	60	30.7	22.2	14.5	1.5	2.3	2.2	2.9	1
17	30.4	20.8		1.9	2	2.2	2.4	2	61	25.4	21.1	13	1	1.7	2.2	2.5	3
18	27.1	19	14.6	1.8	2.1	2	1.4	2	62	21.5			2.5	1.5	0.8	1.8	1
19	17.3	18.2	14.2					2	63	28.8	21.9	13.7	2.6	1.6	1.8	2.7	1
20	24.7			2	1.8	1.8	1.6	1	64	18							1
21	22.9							1	65	25.9	21.4	14.4					2
22	22.1							1	66	31.2	22.7	14.5	2.3	2.1	2.2	3.1	2
23	27.6			1.9	1.1	2.4	2.2	1	67	26.9	20.2	13	1.4	1.6	2.3	2.9	1
24	15.8							3	68	26	21.2	14.3					3
25	20.1							2	69	29.6	20.1	13					3
26	12.8							2	70	21.7	19.5	14.1					3
27	19.9							2	71	21	18.3	13					1
28	33.3	23		1.6	2.1	2.7	3.4	1	72	24.2	19.4	13.1	1.8	1.9	2.8	1.8	2
29	21.6							1	73	/							/
30	37	23.6						1	74	23.7	18.1	12					1
31	24.9	21.6	14.5					2	75	28.1	17.5						2
32	24.1	22	14.9					1	76	36	24						3
33	30.6	20.9	15					2	77	26.9							1
34	12	17.6	14.3					3	78	/							/
35	22.7							2	79	26.5							2
36	24.2							2	80	17							1
37	27.4							1	81	31.8	22.8		3.2	2.6	2.3	4	1
38	/							/	82	24.1							1
39	19	16.3	12.5					1	83	22.3							3
40	27.1			2.6	0.8	2.5	2.5	1	84	23.1							3
41	24.9			1.9	1.7	1.4	2.5	1	85	28.9	18.8		2	1.9	2.8	2.7	3
42	25.8			1.9	1.6	1.7	3.6	2	86	19.9	18.9	13.1					1
43	28.3	17.7		2.6	2.5	1.3	3.3	2	87	23.2			1.2	1.4	1.8	2.5	1
44	24.8			1.7	1.6	2.4	2.4	2	Suma	2003							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50804.58}{n}} =$$

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*

