

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	45	21.2							3
2	26.6							1	46	26			1.1	2	2.4	1.9	1
3	22.4			1.3	2.2	1.7	1.3	1	47	25.4	17.9	12.9	1.6	1.6	1.3	2.7	2
4	17.7							1	48	29.4	18.7	13.3	2.7	2.3	1.7	2	2
5	28			1.5	2.2	1.3	2.8	1	49	22.7	18.3	14.5					1
6	32.2	23.4		1.6	2.2	2	3.3	1	50	/							/
7	29.2	18.2						1	51	22.8							3
8	21.5							2	52	18.7							3
9	18.9							1	53	18.9							2
10	18.8							2	54	17.7							1
11	22.6							2	55	22.5							3
12	22.2							1	56	/							/
13	21.7							2	57	25.3							1
14	27.9							1	58	30.5	20.2	14.2	2.7	2	1.7	3.7	2
15	30	19	14.2	1.5	1.7	2.9	3.1	1	59	25.9			2.6	1.7	1.7	2.2	2
16	20							2	60	31	22.1	14.7	1.9	2.6	2.4	2.9	1
17	30.4	21		2.1	1.9	2.3	2.3	2	61	24.9	21.1	13	1.2	2	2.1	2.5	3
18	27.1	19.2	14.8	1.7	2.1	2.2	1.4	2	62	21.1			2.5	1.4	0.7	1.6	1
19	16.9	18	14.4					2	63	28.8	22.2	13.9	2.2	1.6	1.9	2.9	1
20	24.4			1.9	1.6	1.6	1.7	1	64	17.9							1
21	23							1	65	26.4	21.4	14.5					2
22	22.2							1	66	31.2	22.5	14.9	2.3	2.3	2	3.1	2
23	27.5			2	1.3	2.3	2.3	1	67	26.9	20	13	1.9	1.7	2.2	3.3	1
24	15.9							3	68	26	21.2	14.4					3
25	20.1							2	69	29.5	20.2	12.8					3
26	13.3							2	70	21.8	19.5	14.2					3
27	19.9							2	71	20.6	18.2	12.9					1
28	33.2	22.9		2	2.1	2.7	3.5	1	72	23.9	19.3	13	2.1	1.5	2.6	1.9	2
29	22							1	73	/							/
30	37	23.7						1	74	23.6	18.1	12.3					1
31	24.8	21.5	14.4					2	75	27.8	17.6						2
32	24.2	21.7	14.9					1	76	35.7	23.7						3
33	30.6	21.3	15.1					2	77	26.8							1
34	12.3	17.7	14.5					3	78	/							/
35	22.3							2	79	26.2							2
36	24.1							2	80	16.9							1
37	27.5							1	81	31.6	22.5		2.9	2.5	2.1	3.9	1
38	/							/	82	23.8							1
39	19.2	16.1	12.4					1	83	22.5							3
40	27.1			2.5	0.8	2.3	2.7	1	84	23.4							3
41	24.5			1.6	1.9	1.2	2.6	1	85	28.9	18.8		2	2.2	2.9	2.7	3
42	26			1.8	1.7	1.9	3.6	2	86	20	19	13.1					1
43	28.3	17.5		2.6	2.5	1.2	3	2	87	23.2			1.6	1.6	1.5	2.5	1
44	24.7			2	1.4	2.4	2.8	2	Suma	2001.6							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50725.1}{n}} =$$

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

