

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							1	45	20.9							3
2	26.4							1	46	26.1			1.3	1.9	2.5	2	1
3	23			1.5	2.3	1.8	1.5	1	47	25.3	18.2	12.6	1.3	1.6	1.3	2.5	2
4	17.9							1	48	29.6	18.9	13.3	2.8	2.3	1.4	2.3	2
5	27.6			1.8	2	1	3	1	49	22.5	18.3	14.1					1
6	32.4	23.4		1.5	2.5	1.7	3	1	50	/							/
7	29	18						1	51	22.5							3
8	21.5							2	52	18.8							3
9	18.8							1	53	18.8							2
10	18.8							2	54	17.4							1
11	22.5							2	55	22.7							3
12	22.5							1	56	/							/
13	21.9							2	57	25.5							1
14	27.8							1	58	30.2	20.2	14	2.9	1.7	1.3	4	2
15	30	19.3	13.9	1.6	1.5	3	3.3	1	59	25.7			2.4	1.4	2	2.4	2
16	20.4							2	60	31.1	22.3	14.6	1.6	2.6	1.9	3	1
17	30.3	21.1		2	2.1	2.6	2.2	2	61	25.2	21.3	13.4	1.4	1.8	2.5	2.5	3
18	27.2	19.2	14.3	1.7	2	2.1	1.6	2	62	21.3			2.6	1.5	0.9	2	1
19	16.8	18.3	14.4					2	63	29	21.8	14.2	2.4	1.3	1.8	2.8	1
20	24.6			2.2	1.8	1.8	1.7	1	64	18.2							1
21	22.7							1	65	25.8	21.3	14.3					2
22	22.3							1	66	30.9	22.6	14.8	2.5	2.3	2.1	3.1	2
23	27.8			2	1.1	2.3	2.4	1	67	27.2	19.9	13	1.8	1.8	2.2	2.8	1
24	15.9							3	68	25.6	21.3	14.2					3
25	20							2	69	29.5	20.1	13.3					3
26	13.2							2	70	21.9	19.4	13.6					3
27	19.9							2	71	20.6	18.1	12.8					1
28	33.4	22.9		1.9	2.2	2.5	3.6	1	72	24.3	19.3	13	2.1	1.5	2.8	2.2	2
29	21.6							1	73	/							/
30	37.1	23.5						1	74	23.6	18.3	12.4					1
31	24.8	21.5	14.1					2	75	27.9	17.6						2
32	24.4	22.1	14.8					1	76	35.9	23.7						3
33	30.2	21.3	15					2	77	26.6							1
34	12.2	17.6	14.3					3	78	/							/
35	22.3							2	79	26.5							2
36	24.2							2	80	16.8							1
37	27.9							1	81	31.9	22.8		2.9	2.9	2	3.6	1
38	/							/	82	24.1							1
39	19.1	16	12.5					1	83	22.5							3
40	26.9			2.8	0.7	2.4	2.8	1	84	23.1							3
41	24.8			2.2	1.7	1.4	2.5	1	85	29.1	19		1.9	1.8	2.9	2.5	3
42	25.7			1.9	1.7	1.8	3.3	2	86	20	18.9	13					1
43	28.4	17.9		2.8	2.3	1.6	3.2	2	87	22.9			1.5	1.6	1.6	2.8	1
44	24.4			1.6	1.3	2.2	2.7	2	Suma	2002.2							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50769.92}{n}} =$$

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

