

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	20.7							3
2	26.4							1	46	26.2			1.1	1.7	2.4	2.2	1
3	22.7			1.6	2.5	1.7	1.5	1	47	25.6	18	13.1	1.8	1.5	1.2	2.8	2
4	18							1	48	29.6	18.7	13.7	2.6	2.2	1.4	2	2
5	27.7			1.6	1.9	1	3.1	1	49	22.3	18	14					1
6	32.4	23.5		1.6	2.3	1.8	3.2	1	50	/							/
7	29	18.4						1	51	22.3							3
8	21.6							2	52	18.6							3
9	18.9							1	53	19.2							2
10	18.7							2	54	17.6							1
11	22.6							2	55	22.7							3
12	22.3							1	56	/							/
13	21.8							2	57	25.3							1
14	27.7							1	58	30.3	20.4	14.4	2.9	2	1.5	3.9	2
15	30.1	19.3	14	1.4	1.6	2.9	3.6	1	59	26			2.4	1.8	1.7	2.2	2
16	20.1							2	60	30.7	22.4	14.5	1.5	2.7	2.1	2.9	1
17	30.7	20.9		2	2.2	2.4	2.5	2	61	25.3	21	13.2	0.9	1.8	2.4	2.8	3
18	27	18.8	14.6	1.7	1.8	2.2	1.7	2	62	21.6			2.2	1.7	0.8	1.8	1
19	16.7	18.3	14.7					2	63	28.8	21.9	13.5	2.4	1.2	1.5	3.1	1
20	24.5			2.2	1.8	1.7	1.7	1	64	17.8							1
21	23							1	65	25.9	21.5	14.3					2
22	22.2							1	66	31.2	22.7	15	2.3	2.1	1.9	3.3	2
23	27.7			1.8	1.1	2.5	2.3	1	67	27	20	12.8	1.6	1.7	2.4	3.1	1
24	16.1							3	68	26.1	20.9	14.5					3
25	20.2							2	69	29.6	20.3	13.1					3
26	13.2							2	70	21.6	19.4	13.9					3
27	20							2	71	20.4	18	12.7					1
28	33.5	23.2		1.8	2	2.9	3.4	1	72	24	19.3	12.9	2	1.8	2.6	2	2
29	21.9							1	73	/							/
30	36.8	23.9						1	74	23.8	18.2	12.5					1
31	24.7	21.6	14.4					2	75	27.9	17.7						2
32	24.4	21.9	14.8					1	76	35.6	23.7						3
33	30.3	21.3	15					2	77	26.7							1
34	12.3	17.6	14.5					3	78	/							/
35	22.6							2	79	26.2							2
36	24.2							2	80	17.1							1
37	27.6							1	81	31.6	22.7		3	2.6	1.9	3.6	1
38	/							/	82	24.1							1
39	18.8	16	12.7					1	83	22.4							3
40	27.1			2.6	1	2.4	2.8	1	84	23.1							3
41	24.8			1.7	2	1.5	2.8	1	85	29.1	18.9		1.8	1.8	2.8	2.8	3
42	25.7			1.9	1.8	1.8	3.4	2	86	19.8	18.8	13.1					1
43	28	17.7		2.8	2.1	1.6	3	2	87	23.2			1.4	1.4	1.6	2.6	1
44	24.7			1.5	1.3	2.8	2.6	2	Suma	2001.8							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50732.78}{n}} =$$

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

