

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	25.8							1	45	21							3
2	26.5							1	46	26.1			1.4	1.6	2.4	2.2	1
3	22.8			1.7	2.2	1.8	1.4	1	47	25.4	17.9	13.2	1.3	1.5	1.3	2.5	2
4	17.8							1	48	29.5	18.9	13.3	2.7	2.4	2	2.1	2
5	27.7			1.6	2.2	1.1	2.7	1	49	22.4	18.3	14.4					1
6	32.2	23.3		1.4	2	1.9	3.5	1	50	/							/
7	29	18.1						1	51	23							3
8	21.8							2	52	18.8							3
9	19.2							1	53	19.2							2
10	19							2	54	17.8							1
11	22.6							2	55	22.6							3
12	22.4							1	56	/							/
13	22							2	57	25.4							1
14	27.8							1	58	30.1	20.5	14.4	2.9	1.9	1.5	3.9	2
15	30	19.2	13.9	1.3	1.2	3	3.2	1	59	26			2.2	1.7	2	2.2	2
16	20.1							2	60	30.7	21.9	14.9	1.7	2.4	2	2.7	1
17	30.5	20.8		2.2	1.8	2.4	2.5	2	61	25.1	20.9	13.2	1.2	1.6	2.4	2.7	3
18	26.8	19.2	14.4	1.6	2.4	1.9	1.7	2	62	21.6			2.3	1.5	0.8	1.5	1
19	17.1	18.3	14.4					2	63	28.5	22.1	14.1	2.3	1.2	2.1	2.9	1
20	24.4			2.3	1.4	1.5	1.7	1	64	18.1							1
21	22.8							1	65	26.1	21.5	14.2					2
22	21.9							1	66	30.8	22.8	15.1	2.3	2.4	2.2	2.9	2
23	27.7			2.4	1.4	2.2	2.1	1	67	26.9	19.5	12.9	1.6	1.9	2.4	3.2	1
24	15.9							3	68	25.8	21.1	14.5					3
25	20.1							2	69	29.5	20.1	13					3
26	13							2	70	21.6	19.8	13.8					3
27	20							2	71	20.9	18.2	12.9					1
28	32.9	23		1.9	2.2	2.7	3.2	1	72	24.3	19.5	13.2	2	1.6	2.9	2	2
29	21.5							1	73	/							/
30	36.9	23.5						1	74	23.7	18.2	12.2					1
31	25.1	21.6	14.2					2	75	27.9	17.7						2
32	24.2	21.9	14.9					1	76	36	23.7						3
33	30.3	21.6	14.8					2	77	26.6							1
34	11.9	17.1	14.1					3	78	/							/
35	22.4							2	79	26.1							2
36	23.8							2	80	17							1
37	27.8							1	81	31.7	22.5		2.8	2.5	2	3.7	1
38	/							/	82	24.2							1
39	19.3	16.1	12.5					1	83	22.8							3
40	27.2			2.5	0.9	2.3	2.9	1	84	22.9							3
41	24.9			1.7	1.9	1.4	2.5	1	85	28.9	19.4		1.7	2.2	3.2	2.4	3
42	25.9			1.8	1.8	1.7	3.3	2	86	19.9	18.9	13.1					1
43	28.3	17.8		2.6	2.2	1.4	3.3	2	87	23.4			1.5	1.3	1.5	2.4	1
44	24.6			1.6	1.3	2.4	2.4	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:

$$\bar{d} = \frac{1}{n} \sum_1^n d =$$

1.2. Srednji prečnik po temeljnici:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50723.42}{n}} =$$

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*

