

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	25.9							1	45	21.1							3
2	26.5							1	46	26			1.3	1.9	2.4	2.1	1
3	22.5			1.7	2.5	1.9	1.4	1	47	25.3	18.2	12.9	1.4	1.6	1.6	2.8	2
4	17.8							1	48	29.6	18.8	13.4	2.8	2.3	1.8	2	2
5	27.7			1.8	2.1	1	2.7	1	49	22.5	18	14.3					1
6	32.2	23.2		1.3	2.4	1.9	3.3	1	50	/							/
7	29	18.1						1	51	22.8							3
8	21.3							2	52	18.6							3
9	18.9							1	53	18.9							2
10	18.8							2	54	17.9							1
11	22.5							2	55	22.4							3
12	22.5							1	56	/							/
13	21.7							2	57	25.4							1
14	28							1	58	30.4	20.4	14.3	2.9	1.9	1.4	3.9	2
15	30	19.2	14.1	1.6	1.6	3.1	3.3	1	59	25.9			2.6	1.9	1.8	2.1	2
16	20.4							2	60	30.8	22.3	14.8	1.8	2.2	2.2	2.9	1
17	30.1	21.2		1.9	2	2.4	2.3	2	61	25.3	21.3	12.9	1.3	1.8	2.2	2.7	3
18	27.1	19	14.4	1.9	2.1	2.1	1.5	2	62	21.5			2.6	1.7	0.7	1.7	1
19	16.8	18.3	14.5					2	63	29.3	22	13.7	2.4	1.5	1.5	2.8	1
20	24.4			2	1.5	1.7	1.8	1	64	18.3							1
21	22.6							1	65	26.1	21.5	14.4					2
22	21.9							1	66	30.7	22.6	14.8	1.9	2.5	2.3	3.1	2
23	27.8			2.1	1.1	2.5	1.9	1	67	27	19.9	13	1.4	1.8	2.1	3.2	1
24	16							3	68	26.1	21.1	14.6					3
25	20.1							2	69	29.6	20.4	13.2					3
26	13.3							2	70	21.9	19.6	13.7					3
27	19.8							2	71	20.8	18.2	13					1
28	33.1	22.8		2	2.1	2.7	3.4	1	72	24.4	19.3	13.1	2	2	2.8	1.7	2
29	21.4							1	73	/							/
30	37	23.7						1	74	23.5	18.1	12.2					1
31	24.9	21.8	14.6					2	75	28.3	17.6						2
32	24.3	21.7	14.9					1	76	36	23.3						3
33	30.2	21.9	14.9					2	77	26.5							1
34	12.4	17.3	14.7					3	78	/							/
35	22.4							2	79	26							2
36	24							2	80	17.1							1
37	27.6							1	81	31.9	22.9		2.9	2.9	2.2	3.8	1
38	/							/	82	23.9							1
39	19.3	16.2	12.4					1	83	22.5							3
40	27.2			2.3	0.8	2.5	2.8	1	84	22.9							3
41	24.7			2	2.1	1.2	2.3	1	85	29.1	19.2		2	1.4	3	2.8	3
42	25.5			1.7	1.9	2	3.4	2	86	20.1	18.7	13.1					1
43	28.2	17.7		2.7	2.3	1.2	3.2	2	87	23.5			1.5	1.4	1.6	2.5	1
44	24.7			1.6	1.6	2.3	2.5	2	Suma	2002.4							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50749.14}{n}} =$$

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*

