

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	21.3							3
2	26.5							1	46	26			1.2	1.9	2.4	2.3	1
3	22.7			1.2	2.2	1.5	1.6	1	47	25.2	18	13	1.5	1.7	1.3	2.6	2
4	18							1	48	29.6	18.9	13.2	2.9	2.5	1.7	2.1	2
5	27.8			1.9	1.9	1.2	3.1	1	49	22.7	18.3	14.2					1
6	32.5	23.5		1.5	2.3	2.2	2.9	1	50	/							/
7	28.9	18.2						1	51	23							3
8	21.4							2	52	19.2							3
9	19.1							1	53	19							2
10	18.4							2	54	17.6							1
11	22.6							2	55	22.6							3
12	22.3							1	56	/							/
13	21.7							2	57	25.4							1
14	27.8							1	58	30.2	20.2	14.3	3	1.8	1.3	3.9	2
15	30.1	19	14.2	1.7	1.4	3	3.3	1	59	25.9			2.4	1.8	2.1	2.2	2
16	20							2	60	30.7	22.2	14.6	1.6	2.6	2.1	3.1	1
17	30.6	20.8		2.1	1.8	2.6	2.7	2	61	25.1	21.4	13.2	1.1	2.1	2.3	2.4	3
18	26.9	19.2	14.3	1.5	2.4	2.1	1.5	2	62	21.2			2.4	1.8	0.8	1.6	1
19	16.8	18.3	14.4					2	63	28.8	22	14.1	2.5	1.5	1.8	3	1
20	24.5			2.1	1.6	1.6	1.8	1	64	17.7							1
21	23							1	65	26	21.3	14.6					2
22	22.1							1	66	31	22.7	14.7	2.3	2.2	2.2	3	2
23	27.8			2.1	1.1	2.5	2.2	1	67	26.9	19.9	13	1.3	2	2.1	3	1
24	16							3	68	25.8	21.1	14					3
25	20							2	69	29.7	20.5	13.1					3
26	13.3							2	70	21.7	19.8	13.6					3
27	20							2	71	20.8	18.4	13					1
28	33.4	23.3		2.1	1.9	2.7	3.1	1	72	24.1	19.2	13.3	1.8	2	2.9	2.1	2
29	21.8							1	73	/							/
30	37.1	23.6						1	74	23.9	18.3	11.9					1
31	24.9	21.7	14.5					2	75	28.1	17.6						2
32	24.2	21.7	15.1					1	76	36	23.5						3
33	30.5	21.2	15					2	77	26.6							1
34	12.3	17.6	14.3					3	78	/							/
35	22.2							2	79	26.2							2
36	24.2							2	80	16.7							1
37	27.8							1	81	31.5	22.7		2.9	2.7	1.9	3.4	1
38	/							/	82	23.7							1
39	19.3	16.2	12.6					1	83	22.6							3
40	27.1			2.6	1	2.4	2.7	1	84	23.4							3
41	24.7			2.2	1.7	1.2	2.6	1	85	29	18.8		2	1.8	2.9	2.7	3
42	25.6			1.8	1.8	1.8	3.4	2	86	20	18.6	13.1					1
43	28.3	17.7		2.6	2.2	1.7	3.1	2	87	23			1.4	1.5	1.9	2.5	1
44	24.7			1.6	1.3	2.5	2.7	2	Suma	2002.7							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50783.09}{n}} =$$

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*

