

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	45	20.6							3
2	26.4							1	46	26.2			1.4	1.9	2.4	1.7	1
3	22.7			1.7	2.3	1.8	1.3	1	47	25.6	18	13	1.6	1.6	1.4	2.6	2
4	18.1							1	48	29.3	18.8	13.2	2.8	2.2	1.8	2	2
5	27.5			1.7	2.1	0.9	2.8	1	49	22.8	18.2	14.2					1
6	32.5	23.2		1.6	2.3	2	3.3	1	50	/							/
7	29.3	18.3						1	51	22.7							3
8	21.6							2	52	18.5							3
9	19.1							1	53	19							2
10	18.7							2	54	17.7							1
11	22.4							2	55	22.8							3
12	22.5							1	56	/							/
13	21.6							2	57	25.3							1
14	27.8							1	58	30.2	20.5	14.5	2.9	1.8	1.5	3.7	2
15	29.9	19.1	13.8	1.8	1.7	2.7	3	1	59	25.9			2.4	1.8	2	2.3	2
16	20.1							2	60	30.5	22.2	14.6	1.7	2.6	2.2	2.8	1
17	30.3	21.2		2	1.9	2.4	2.5	2	61	25	21.3	13.2	1.2	1.8	2.4	2.8	3
18	27.2	18.8	14.3	1.7	2.3	2	1.6	2	62	21.3			2.5	1.6	0.9	1.8	1
19	17	18.1	14.3					2	63	28.7	22	13.8	2.5	1.5	1.7	2.7	1
20	24.5			2	1.7	1.8	1.8	1	64	17.9							1
21	22.9							1	65	26.1	21.5	14.4					2
22	22							1	66	30.5	23	14.6	1.9	2.1	1.9	3.1	2
23	27.7			2.3	1.3	2.3	1.9	1	67	27.1	20	12.9	1.8	1.8	2.3	2.9	1
24	16.3							3	68	25.8	21.1	14.5					3
25	20.2							2	69	29.5	20.2	13.4					3
26	13.3							2	70	22	19.5	14					3
27	20.2							2	71	20.7	18	13					1
28	32.9	22.9		1.9	2	2.6	3.4	1	72	24.4	19.1	13.2	1.8	1.7	2.7	2.1	2
29	21.8							1	73	/							/
30	37.1	23.7						1	74	23.6	18.1	12.5					1
31	24.8	21.5	14.5					2	75	28.2	17.5						2
32	24.2	21.8	15					1	76	35.9	23.6						3
33	30.2	21.7	15					2	77	26.8							1
34	12	17.6	14.2					3	78	/							/
35	22.5							2	79	26.4							2
36	24							2	80	16.8							1
37	27.6							1	81	31.7	22.6		2.8	2.7	2.2	3.6	1
38	/							/	82	23.7							1
39	19.1	16.4	12.5					1	83	22.4							3
40	27			2.6	0.9	2.6	2.9	1	84	22.6							3
41	24.7			2	2	1.5	2.7	1	85	29.2	19.1		2.1	2.2	2.8	3	3
42	25.7			1.6	2.1	1.9	3.4	2	86	19.9	18.8	13.1					1
43	28.2	18		2.7	2.4	1.2	3.2	2	87	23			1.3	1.5	1.5	2.6	1
44	24.6			1.6	1.4	2.6	2.6	2	Suma	2000.5							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50651.41}{n}} =$$

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*

