

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	21.2							3
2	26.4							1	46	25.8			1.5	1.9	2.3	2.1	1
3	22.6			1.6	2.2	1.6	1.3	1	47	25.2	17.9	13	1.5	1.7	1.4	2.7	2
4	18							1	48	29.2	18.6	13.1	2.9	2.2	1.9	2.2	2
5	27.8			1.7	2.3	1.2	3.2	1	49	22.6	18.1	14.2					1
6	32.3	23.1		1.5	2.2	2.1	3.1	1	50	/							/
7	28.8	18						1	51	22.6							3
8	21.7							2	52	18.7							3
9	18.9							1	53	19							2
10	18.9							2	54	17.5							1
11	22.4							2	55	22.7							3
12	22.7							1	56	/							/
13	21.9							2	57	25.6							1
14	27.8							1	58	30.3	20.7	14.2	2.9	1.6	1.3	3.9	2
15	29.8	19.1	14.2	1.8	1.9	2.6	3.2	1	59	25.5			2.3	1.6	2	1.9	2
16	20.4							2	60	30.8	22	14.8	1.5	2.5	2.3	3	1
17	30.5	21.1		1.9	1.9	2.5	2.3	2	61	25.2	21	13	1.3	1.8	2.4	2.4	3
18	27.3	18.7	14.5	1.7	2.2	2	1.5	2	62	21.4			2.4	1.4	0.8	1.7	1
19	17	18.3	14.5					2	63	28.8	22.2	14	2.4	1.4	1.6	2.6	1
20	24.6			2	1.9	1.8	1.8	1	64	18.1							1
21	22.6							1	65	25.9	21.6	14.4					2
22	22							1	66	30.7	22.7	14.7	2.1	1.9	2	3.1	2
23	27.8			2.2	1.1	2.6	2.2	1	67	27	20.1	13	1.7	1.6	2.4	2.9	1
24	15.8							3	68	26.2	21	14.7					3
25	20.2							2	69	29.4	20.4	13.1					3
26	12.9							2	70	21.6	19.6	13.7					3
27	20.1							2	71	20.9	18.3	13					1
28	33.2	23.1		2.1	2	2.6	3.4	1	72	24.2	19.4	13.1	2.1	1.6	2.6	2	2
29	21.8							1	73	/							/
30	36.9	23.7						1	74	23.9	18	12.4					1
31	24.8	21.8	14.2					2	75	28	17.7						2
32	24.4	21.9	14.5					1	76	35.9	23.7						3
33	30.3	21.4	15.1					2	77	26.6							1
34	12.5	17.5	14.5					3	78	/							/
35	22.3							2	79	26.5							2
36	24.2							2	80	17							1
37	27.9							1	81	31.6	22.7		2.9	2.6	2.1	3.8	1
38	/							/	82	24							1
39	19.3	16.4	12.5					1	83	22.6							3
40	27.1			2.4	0.9	2.3	2.8	1	84	23.1							3
41	24.6			1.9	1.8	1.6	2.7	1	85	28.9	18.9		2	2	2.9	2.3	3
42	25.4			1.8	1.6	1.6	3.3	2	86	20.1	18.7	13					1
43	28.6	17.8		2.6	2.4	1.6	3.1	2	87	23			1.5	1.1	1.5	2.7	1
44	24.6			1.4	1.4	2	2.7	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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50734.2}{n}} =$$

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*

