

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							1	45	21.3							3
2	26.4							1	46	26.3			1.2	1.9	2.3	2.2	1
3	22.8			1.7	2	1.5	1.4	1	47	25.6	18	13.4	1.6	1.4	1.4	2.8	2
4	18							1	48	29.7	18.4	13.5	2.4	2.5	1.9	2.1	2
5	27.6			1.9	2.4	1.6	3.1	1	49	22.6	18.1	14					1
6	32.2	23.3		1.5	2.4	1.9	3.2	1	50	/							/
7	29.2	17.9						1	51	22.5							3
8	21.5							2	52	18.6							3
9	18.8							1	53	18.9							2
10	19							2	54	17.7							1
11	22.5							2	55	23							3
12	22.5							1	56	/							/
13	21.8							2	57	25.4							1
14	28							1	58	30.3	20.3	14.3	2.8	1.5	1.4	3.7	2
15	30	18.9	13.8	1.6	1.5	3.2	3.5	1	59	25.7			2.5	1.3	1.7	2.1	2
16	20.1							2	60	30.9	22.1	14.4	1.6	2.5	2.1	3	1
17	30.4	20.7		1.9	2	2.4	2.7	2	61	25.1	21.4	13	1.4	1.8	2.5	2.8	3
18	27.2	19.1	14.6	1.8	2.1	2.2	1.8	2	62	21.2			2.6	1.7	0.9	1.8	1
19	16.9	18.3	14.6					2	63	28.7	22	14	2.5	1.1	1.6	2.7	1
20	24.4			2.3	1.7	1.7	1.7	1	64	18.1							1
21	22.7							1	65	26.3	21.5	14.6					2
22	22.1							1	66	30.9	22.7	14.7	2.2	2.4	2.1	2.7	2
23	27.7			2.1	1	2.5	2.1	1	67	26.9	20	13	1.4	1.6	2.3	3	1
24	16.1							3	68	26.1	20.9	14.5					3
25	20.1							2	69	29.8	20	13.2					3
26	13.2							2	70	21.7	19.5	13.8					3
27	20.2							2	71	20.7	18.1	13					1
28	33.1	23.1		1.8	2.1	2.4	3.7	1	72	24.3	19.3	13	2.2	1.6	2.7	2.2	2
29	21.9							1	73	/							/
30	36.9	23.8						1	74	23.7	18.1	12.2					1
31	25.2	21.5	14.3					2	75	28	17.8						2
32	24.1	22.1	15.1					1	76	36	23.7						3
33	30.2	21.4	15.1					2	77	26.5							1
34	12.4	17.3	14.1					3	78	/							/
35	22.6							2	79	26.2							2
36	24.4							2	80	17.1							1
37	27.7							1	81	31.8	22.6		2.9	2.6	2	3.7	1
38	/							/	82	24							1
39	19.2	16.6	12.7					1	83	22.5							3
40	27			2.6	0.6	2.7	2.9	1	84	22.8							3
41	24.8			1.9	1.9	1.7	2.6	1	85	29.4	19.1		1.9	1.8	3	2.5	3
42	25.7			1.6	1.9	1.9	3.4	2	86	19.8	18.8	13.1					1
43	28.4	17.8		2.9	2.3	1.5	3.2	2	87	23.3			1.6	1.3	1.7	2.4	1
44	24.8			1.6	1.6	2.1	2.5	2	Suma	2005.3							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50893.05}{n}} =$$

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*

