

Zadatak 11 - No. 8 Saicic Aleksandar

Vežbe - Rast i proizvodnost šuma 2023

markokazimirovic.shinyapps.io/Zadatak11/

**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	26.6							1	46	25.9			1	1.5	2.3	2	1
3	22.7			1.6	2.1	1.8	1.7	1	47	25.4	17.8	12.6	1.9	1.7	1.3	2.5	2
4	18.4							1	48	29.7	18.6	13.1	2.9	2.2	1.8	2.3	2
5	27.8			1.6	2.1	1.4	3	1	49	22.5	18.3	14.3					1
6	32.2	23.3		1.3	2.3	2.1	3.4	1	50	/							/
7	28.9	17.9						1	51	22.6							3
8	21.6							2	52	18.6							3
9	19							1	53	19.3							2
10	18.8							2	54	18							1
11	22.4							2	55	22.6							3
12	22.5							1	56	/							/
13	21.9							2	57	25.3							1
14	27.8							1	58	30.7	20.2	14.1	2.9	1.6	1.2	4.1	2
15	30.4	19.1	13.9	1.9	1.3	2.8	3	1	59	25.9			2.6	1.5	1.5	2	2
16	20.2							2	60	30.7	22.2	14.8	1.9	2.8	2	2.9	1
17	30.4	21		1.9	1.9	2.4	2.5	2	61	25.4	20.9	12.9	1.4	1.6	2.4	2.7	3
18	26.9	19.2	14.1	1.7	2.2	2	1.6	2	62	21.2			2.5	1.6	1	1.8	1
19	17	18.1	14.2					2	63	29	21.7	14.1	2.5	1.5	1.7	2.5	1
20	24.5			2.2	1.7	1.7	1.5	1	64	18.2							1
21	23							1	65	26.2	21.7	14.7					2
22	22.3							1	66	31.3	22.8	14.9	2.1	2.2	1.8	3.2	2
23	27.4			2.1	1.1	2.4	2.4	1	67	27	20	13	1.6	1.6	1.9	3	1
24	16							3	68	25.6	21.1	14.3					3
25	20.2							2	69	29.5	20	13.4					3
26	13.3							2	70	21.6	19.5	13.7					3
27	20.1							2	71	20.8	18.2	13.1					1
28	33.4	23		2	2.4	2.7	3.5	1	72	24.5	19.3	13.1	1.9	1.5	2.7	2.1	2
29	21.7							1	73	/							/
30	36.8	24						1	74	23.8	18.1	12.1					1
31	24.9	21.4	14.4					2	75	27.9	17.4						2
32	24.3	21.8	14.7					1	76	35.9	23.7						3
33	30.3	21.4	15					2	77	26.8							1
34	12	17.8	14.2					3	78	/							/
35	22.1							2	79	26.4							2
36	24.2							2	80	16.9							1
37	27.7							1	81	31.9	22.7		2.8	2.7	2.1	3.8	1
38	/							/	82	24							1
39	19.1	15.9	12.6					1	83	22.7							3
40	27.2			2.5	1	2.3	2.8	1	84	23.3							3
41	24.8			2	2	1.2	2.4	1	85	29.2	18.9		1.9	2.1	2.8	2.9	3
42	25.7			1.9	1.9	1.9	3.2	2	86	20	18.5	13					1
43	28.2	17.8		2.7	2.2	1.5	3.2	2	87	23.2			1.7	1.2	1.8	2.5	1
44	24.9			1.6	1.4	2.3	2.6	2	Suma	2006.5							

Odrediti i analizirati sledeće elemente rasta i sastojinske izgrađenosti i po potrebi ih grafički predstaviti:

1. Srednje prečnike i visine;

. Aritmetički srednji prečnik:

$$\bar{d} = \frac{1}{n} \sum_1^n d =$$

. Srednji prečnik po temeljnici:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50952.25}{n}} =$$

. Srednji prečnik dominantnih stabala po temeljnici:

$$D_g = \sqrt{\frac{\sum_1^n D_{20\%}^2}{n_{20\%}}} =$$

. Aritmetička srednja visina:

$$\bar{h} = \frac{1}{n} \sum_1^n h =$$

. Srednja visina dominantnih stabala:

$$H_g = \sqrt{\frac{\sum_1^n H_{20\%}^2}{n_{20\%}}} =$$

. Visinsku krivu i krivu visina početka krošnje:

redova 60x65 kolona

