

# Zadatak 11 - No. 3 Malešević Nedeljko

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	20.8							3
2	26.4							1	46	26.5			1.3	2.1	2.4	2.4	1
3	22.7			1.6	2.4	2.1	1.5	1	47	25.5	18.1	13.1	1.7	1.5	1.1	2.7	2
4	18							1	48	29.5	18.8	13	3	2.2	1.7	1.9	2
5	27.7			1.8	2.3	1.1	2.9	1	49	22.7	18.5	14.5					1
6	32.2	23.2		1.2	2.4	1.9	3.6	1	50	/							/
7	29	18.1						1	51	22.8							3
8	21.8							2	52	18.7							3
9	19							1	53	19							2
10	18.8							2	54	17.6							1
11	22.4							2	55	22.6							3
12	22.5							1	56	/							/
13	21.8							2	57	25.2							1
14	28							1	58	30.4	20.2	14.2	3	1.5	1.2	3.8	2
15	30.1	19	14.2	1.7	1.3	3	3.3	1	59	26.3			2.5	1.7	2	2.3	2
16	19.9							2	60	30.7	22.3	14.4	1.7	2.7	2.3	2.8	1
17	30.6	20.9		2.2	1.8	2.3	2.1	2	61	25.3	21.2	13	1.5	2	2.2	2.7	3
18	27	19.1	14.6	1.7	1.9	1.8	1.5	2	62	21.5			2.2	2	0.6	2.1	1
19	17.2	18.4	14.4					2	63	28.7	21.8	14.2	2.3	1.2	1.8	3	1
20	24.6			2.2	1.8	1.6	1.7	1	64	17.8							1
21	22.7							1	65	26.1	21.1	14.4					2
22	21.9							1	66	30.9	22.6	15	2.3	2.1	2.1	2.9	2
23	27.6			1.9	1.1	2.5	2.3	1	67	26.9	20	12.8	1.6	1.4	2.1	3.3	1
24	16							3	68	25.8	20.9	14.4					3
25	20							2	69	29.5	20.2	13.2					3
26	13.3							2	70	21.7	19.4	13.9					3
27	19.9							2	71	20.7	18.1	13.1					1
28	33.3	22.9		1.9	2	2.6	3.3	1	72	24.2	19.3	13	2	1.6	2.8	2	2
29	21.6							1	73	/							/
30	37.2	23.8						1	74	23.8	18.4	12.2					1
31	24.8	21.7	14.2					2	75	28.2	17.7						2
32	24.3	21.8	15					1	76	35.6	23.8						3
33	30.5	21.5	14.9					2	77	26.8							1
34	12.2	17.4	14.1					3	78	/							/
35	22.5							2	79	26.3							2
36	24.2							2	80	17							1
37	27.7							1	81	31.8	22.6		2.9	2.9	2.1	3.5	1
38	/							/	82	23.9							1
39	18.9	16.1	12.6					1	83	22.6							3
40	27			2.5	1	2.3	2.9	1	84	23.2							3
41	24.8			1.8	1.8	1.2	2.6	1	85	29	19.1		1.7	2	3	2.5	3
42	25.6			1.5	1.7	1.6	3.2	2	86	20	18.8	13.1					1
43	28.4	17.5		2.7	2.2	1.5	3.4	2	87	23.2			1.3	1.4	1.7	2.5	1
44	24.7			1.6	1.6	2.6	2.4	2	Suma	2003.7							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50826.99}{n}} =$$

. 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

