

# Zadatak 11 - No. 18 Mijatovic Nemanja

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	26.2							1	45	20.9							3
2	26.2							1	46	26			1.2	2.2	2.4	2.1	1
3	22.7			1.4	2.4	1.9	1.5	1	47	25.2	18.1	12.9	1.5	1.6	1.5	2.9	2
4	18.1							1	48	29.6	19	13.4	2.8	2.3	1.7	1.9	2
5	27.6			1.6	2.1	1.4	2.8	1	49	22.5	18.3	14.3					1
6	32	23.3		1.5	2.1	1.9	3.3	1	50	/							/
7	28.8	18						1	51	22.7							3
8	21.7							2	52	18.9							3
9	18.8							1	53	18.8							2
10	18.7							2	54	17.6							1
11	22.5							2	55	23.1							3
12	22.3							1	56	/							/
13	21.9							2	57	25.5							1
14	27.5							1	58	30.4	20.2	14.4	2.8	1.9	1.4	3.6	2
15	30.1	19	13.8	1.6	1.4	2.9	3.4	1	59	26			2.5	1.8	2	2.1	2
16	20.3							2	60	30.8	22	14.8	1.9	2.6	2	3	1
17	30.8	21		2	2.1	2.7	2.6	2	61	25.4	20.9	13	1.1	1.6	2.3	2.4	3
18	27.1	18.8	14.5	1.8	2.2	1.7	1.5	2	62	21.5			2.4	1.7	0.7	2.1	1
19	17.2	18.3	14.3					2	63	28.7	22	14	2.4	1.6	1.8	2.7	1
20	24.4			1.9	1.8	1.6	1.7	1	64	17.9							1
21	22.9							1	65	25.8	21.5	14.6					2
22	22.1							1	66	31	22.9	14.7	2.1	2.2	2.3	3	2
23	27.7			2.3	1.1	2.5	1.9	1	67	27	19.8	12.8	1.8	1.8	2.4	3	1
24	15.9							3	68	25.9	21.2	14.5					3
25	20.3							2	69	29.3	20.3	13.3					3
26	13.3							2	70	21.7	19.5	14.2					3
27	19.9							2	71	20.6	18.3	13.2					1
28	33.1	22.7		2	2.2	2.7	3.3	1	72	24.2	19.4	13.2	2.1	1.7	2.6	1.7	2
29	21.6							1	73	/							/
30	36.6	23.8						1	74	23.4	18.2	12.6					1
31	24.6	21.6	14.3					2	75	28	17.6						2
32	24.1	21.7	14.8					1	76	36.2	23.5						3
33	30.4	21.2	14.9					2	77	26.6							1
34	12.3	17.9	14.5					3	78	/							/
35	22.4							2	79	26.5							2
36	24.2							2	80	17.1							1
37	27.6							1	81	31.9	22.3		3	2.6	2.1	3.8	1
38	/							/	82	24.1							1
39	19.4	16.6	12.8					1	83	22.3							3
40	27.1			2.6	0.8	2.5	2.7	1	84	22.7							3
41	24.6			2	2	1.6	2.5	1	85	28.9	19.1		1.8	2	3	2.5	3
42	25.9			1.6	1.9	2	3.3	2	86	20	18.6	13.1					1
43	28.8	17.6		2.4	2.4	1.5	3	2	87	23.3			1.7	1.5	1.7	2.5	1
44	24.6			1.8	1.5	2.2	2.7	2	Suma	2002.3							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50737.59}{n}} =$$

. 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

