

# Zadatak 11 - No. 24 Curcic Nemanja

Vežbe - Rast i proizvodnost šuma 2023

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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	20.9							3
2	26.5							1	46	26.1			1.4	1.7	2.5	2.2	1
3	22.8			1.5	2.3	1.7	1.5	1	47	25.5	17.7	12.9	1.4	1.6	1.4	2.9	2
4	18.1							1	48	29.5	18.6	13.3	2.7	2.2	1.8	2.2	2
5	27.8			1.8	1.8	1.1	3.3	1	49	22.6	18.1	14.3					1
6	32.1	23.1		1.4	2.4	2.1	3	1	50	/							/
7	29	17.9						1	51	22.7							3
8	21.6							2	52	19							3
9	18.6							1	53	18.8							2
10	18.8							2	54	17.8							1
11	22.6							2	55	22.6							3
12	22.3							1	56	/							/
13	21.9							2	57	25.5							1
14	27.7							1	58	30.5	20.4	14.1	3	2.2	1.4	3.8	2
15	29.9	19.3	13.9	1.8	1.4	2.9	3.1	1	59	25.7			2.6	1.7	1.8	2.1	2
16	20.4							2	60	30.7	22.3	14.8	1.8	2.5	2	2.8	1
17	30.6	21		2	1.8	2.5	2.6	2	61	25	21	13	1.2	1.7	2.2	2.3	3
18	27.2	18.8	14.4	1.7	2.3	2.2	1.7	2	62	21.2			2.4	1.8	0.4	1.7	1
19	16.9	18.4	14.3					2	63	28.8	21.9	14	2.5	1.4	1.6	2.9	1
20	24.6			2.2	1.5	1.6	1.7	1	64	18							1
21	22.5							1	65	26.1	21.2	14.4					2
22	22							1	66	30.7	22.7	15	2.3	2.2	1.7	2.8	2
23	27.6			2.3	1.2	2.3	2.3	1	67	26.8	19.9	13	1.5	1.8	2.3	3.2	1
24	16.1							3	68	25.9	21.3	14.5					3
25	20							2	69	29.2	19.9	13.1					3
26	12.9							2	70	21.9	19.8	14.1					3
27	20.1							2	71	20.6	18.3	13.3					1
28	33.1	22.6		1.7	2.3	2.7	3.4	1	72	24.4	19.2	13.1	1.9	1.6	2.9	1.9	2
29	21.6							1	73	/							/
30	37.1	23.9						1	74	23.5	17.9	12.1					1
31	24.8	21.7	14.3					2	75	28	17.5						2
32	24.1	21.8	14.8					1	76	35.7	23.7						3
33	30.3	21.5	15.2					2	77	26.5							1
34	11.9	17.8	14.1					3	78	/							/
35	22.4							2	79	26.2							2
36	24.3							2	80	16.9							1
37	27.7							1	81	31.7	22.8		3	2.8	1.9	3.8	1
38	/							/	82	24.1							1
39	19.1	16.2	12.7					1	83	22.4							3
40	27.1			2.7	0.8	2.5	2.9	1	84	23.3							3
41	24.7			1.9	1.8	1.4	2.4	1	85	29.2	18.8		2	1.8	3.1	2.4	3
42	25.8			1.6	1.6	1.7	3.4	2	86	19.9	18.7	13.2					1
43	28	17.8		2.6	2.5	1.5	3.1	2	87	23.4			1.5	1.5	1.6	2.5	1
44	24.8			1.5	1.2	2.2	2.7	2	Suma	2000.8							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50676.8}{n}} =$$

. 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

