

Zadatak 11 - No. 11 Gegic Samed

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	45	20.9							3
2	26.5							1	46	26.2			0.8	1.9	2.3	2.5	1
3	22.6			1.5	2	1.9	1.4	1	47	25.3	18	12.9	1.6	1.8	1.4	2.9	2
4	18							1	48	29.6	18.5	13.4	3	2.2	1.7	1.9	2
5	27.9			1.6	2.3	1.2	2.9	1	49	22.5	18.2	14					1
6	32.3	23.5		1.4	2.3	2	3.1	1	50	/							/
7	29	18.2						1	51	22.9							3
8	21.6							2	52	18.6							3
9	18.8							1	53	19.1							2
10	19							2	54	17.4							1
11	22.9							2	55	22.9							3
12	22.6							1	56	/							/
13	21.8							2	57	25.4							1
14	27.8							1	58	30.4	19.9	14.4	3	1.9	1.4	3.7	2
15	29.9	19.2	13.9	1.7	1.7	2.9	3.1	1	59	25.8			2.6	1.4	1.7	2.4	2
16	20.1							2	60	30.9	22.2	14.8	1.8	2.5	2	3.1	1
17	30.7	21		2	1.9	2.4	2.7	2	61	25.1	21.1	13.1	1	1.7	2.4	2.4	3
18	27.1	19	14.5	1.8	2.1	2.1	1.3	2	62	21.4			2.4	1.8	1	1.8	1
19	16.7	18.1	14.3					2	63	28.8	22.1	14	2.3	1.4	1.7	2.8	1
20	24.6			2.1	2	1.7	1.7	1	64	17.9							1
21	22.8							1	65	25.9	21.3	14.3					2
22	22							1	66	31	22.8	14.9	2.1	2	1.9	3.1	2
23	27.8			2.4	1.3	2.6	2.2	1	67	27.1	20.2	12.9	1.7	1.8	2	3.3	1
24	16							3	68	25.8	21.1	14.7					3
25	20.1							2	69	29.5	20.3	13					3
26	13.2							2	70	21.9	19.5	14.1					3
27	20.1							2	71	20.7	18.3	13					1
28	33.4	23		2	2	2.5	3.3	1	72	24.5	19.3	13.2	2.2	1.5	2.7	2.1	2
29	21.7							1	73	/							/
30	37	24						1	74	23.7	18.1	12					1
31	24.8	21.7	14.2					2	75	27.6	17.8						2
32	24.1	21.8	14.8					1	76	36	23.6						3
33	30.3	21.5	14.5					2	77	26.7							1
34	12.2	17.9	14.6					3	78	/							/
35	22.4							2	79	26.4							2
36	24.1							2	80	16.7							1
37	27.7							1	81	31.8	22.8		2.8	2.6	2.2	3.8	1
38	/							/	82	23.7							1
39	19.4	16.2	12.5					1	83	22.4							3
40	27.2			2.6	1.2	2.6	2.6	1	84	22.9							3
41	24.7			1.9	1.7	1.5	2.6	1	85	29.2	19		1.9	1.9	3.1	2.7	3
42	25.9			1.6	1.8	1.6	3.6	2	86	19.9	18.8	13.1					1
43	28.4	17.6		2.8	2.4	1.4	3	2	87	23.2			1.6	1.3	1.7	2.5	1
44	24.8			1.8	1.5	2.3	2.5	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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50840.99}{n}} =$$

. 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

