

Zadatak 11 - No. 2 Adamovic 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	45	21.1							3
2	26.7							1	46	26.1			0.9	1.7	2.3	1.9	1
3	22.8			1.3	2.1	1.8	1.5	1	47	25.3	18.1	13	1.4	1.6	1.5	2.6	2
4	18.3							1	48	29.4	18.6	13.2	2.5	2.4	1.7	2	2
5	27.6			2	2.2	1.3	3	1	49	22.6	18.5	14					1
6	32.6	23.4		1.5	2.5	2.1	3.3	1	50	/							/
7	29	18.3						1	51	22.5							3
8	21.6							2	52	18.9							3
9	18.9							1	53	18.8							2
10	18.4							2	54	17.9							1
11	22.4							2	55	23							3
12	22.5							1	56	/							/
13	21.7							2	57	25.5							1
14	27.7							1	58	30.5	20.2	14.4	3.3	1.9	1	3.7	2
15	30.1	19.4	14	1.6	1.6	2.9	3.3	1	59	26.1			2.7	1.8	2.1	2	2
16	20.1							2	60	30.7	22.3	14.6	1.9	2.4	1.9	2.9	1
17	30.6	20.9		2.2	2.1	2.6	2.3	2	61	25.1	21.4	13	1	1.6	2.6	2.7	3
18	27.4	19.2	14.4	1.6	2.2	2.1	1.7	2	62	21.4			2.5	1.7	1	1.9	1
19	17	18.2	14.4					2	63	29	22.2	13.9	2.2	1.4	1.8	2.6	1
20	24.6			2	2	1.5	1.7	1	64	18.1							1
21	22.8							1	65	26.1	21.5	14.4					2
22	22							1	66	31	22.9	14.7	2.2	2.3	2.1	3	2
23	27.7			1.9	1.4	2.5	2.3	1	67	26.8	20.2	12.8	1.8	2	2.3	3.2	1
24	15.9							3	68	25.9	21.1	14.5					3
25	20.2							2	69	29.4	20.5	13.3					3
26	13.3							2	70	21.5	19.4	13.8					3
27	20.1							2	71	20.5	18.1	12.7					1
28	33.3	23		1.9	1.8	2.3	3.5	1	72	24.4	19.3	13.2	2	2	2.7	2	2
29	21.8							1	73	/							/
30	37.1	23.7						1	74	23.4	18.2	12.4					1
31	24.7	21.7	14.3					2	75	27.8	17.3						2
32	24.3	21.9	14.8					1	76	35.6	23.4						3
33	30.8	21.4	15.1					2	77	26.5							1
34	12	17.3	14.6					3	78	/							/
35	22.4							2	79	26							2
36	24.5							2	80	17							1
37	27.4							1	81	31.6	22.5		2.8	2.9	2.3	3.6	1
38	/							/	82	24.4							1
39	19.3	16.4	12.5					1	83	22.5							3
40	27.1			2.4	0.4	2.5	2.7	1	84	23.4							3
41	24.5			1.7	2	1.5	2.4	1	85	29.3	19		2	2.1	2.9	2.4	3
42	25.9			1.7	1.9	1.8	3.4	2	86	19.9	18.9	12.9					1
43	28.4	17.8		2.5	2	1.6	3.2	2	87	23.2			1.5	1.6	1.8	2.5	1
44	24.6			1.9	1.8	2.6	2.5	2	Suma	2004.3							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50855.73}{n}} =$$

. 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

