

ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΠΕΡΙΦΕΡΕΙΑ ΔΥΤΙΚΗΣ ΕΛΛΑΔΑΣ
ΔΗΜΟΣ ΑΝΔΡΙΤΣΑΙΝΑΣ - ΚΡΕΣΤΕΝΩΝ
ΔΙΕΥΘΥΝΣΗ ΤΕΧΝΙΚΩΝ ΥΠΗΡΕΣΙΩΝ

ΤΙΤΛΟΣ ΕΡΓΟΥ : ΑΠΟΚΑΤΑΣΤΑΣΕΙΣ ΟΔΟΠΟΙΑΣ ΔΗΜΟΥ
ΑΝΔΡΙΤΣΑΙΝΑΣ - ΚΡΕΣΤΕΝΩΝ

ΑΡΙΘΜΟΣ ΜΕΛΕΤΗΣ : 18 / 2019

ΠΡΟΫΠΟΛΟΓΙΣΜΟΣ : 1.024.415,03 €

ΤΕΧΝΙΚΗ ΕΚΘΕΣΗ

ΚΡΕΣΤΕΝΑ, 9/4/2019

Η ΣΥΝΤΑΞΑΣΑ



ΚΑΛΟΓΕΡΟΠΟΥΛΟΥ ΓΕΩΡΓΙΑ

ΠΟΛΙΤΙΚΟΣ ΜΗΧΑΝΙΚΟΣ Π.Ε. M.Sc.

ΘΕΩΡΗΘΗΚΕ

ΚΡΕΣΤΕΝΑ, 9/4/2019

Η ΠΡΟΪΣΤΑΜΕΝΗ Δ.Τ.Υ



ΣΟΦΙΑΝΟΥ ΓΕΩΡΓΙΑ

ΠΟΛΙΤΙΚΟΣ ΜΗΧΑΝΙΚΟΣ Π.Ε.



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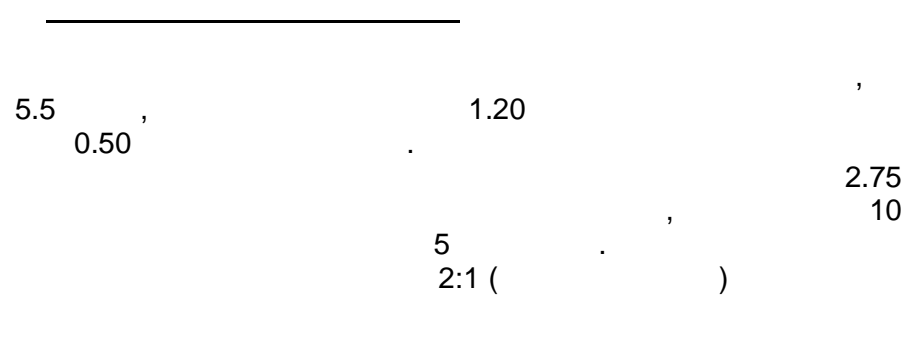
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V ()
 $V_e = 40 \text{ km/h}$ $V_{m60} = 60 \text{ km/h}$



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/	(m)	Y(m)	R(m)	(g)
1	300466.375	4162689.868	0	0
2	300463.302	4162711.044	10.00	75.2570
3	300479.902	4162720.832	15.00	46.3110
4	300512.844	4162714.336	16.57	100.2690
5	300520.86	4162755.918	80.00	22.7020
6	300490.375	4162937.711	20.00	83.2180
7	300587.453	4162982.205	80.00	53.1600
8	300614.341	4163067.314	80.00	13.4370
9	300656.543	4163141.525	15.00	86.5040
10	300714.815	4163123.175	6.48	153.7320
11	300690.137	4163164.443	10.00	111.3220
12	301241.366	4163372.611	160.00	2.7310
13	301461.425	4163445.096	80.00	44.4790
14	301493.562	4163497.053	15.00	43.6710
15	301504.445	4163500.792	0	0

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				%
1	0	254.00	0.000	0.00
2	231.056	249.89	1400	-1.78
3	411.196	233.50	1400	-9.10
4	591.256	221.21	2000	-6.82
5	687.432	209.69	2000	-11.98
6	958.95	184.36	1500	-9.33
7	1259.598	159.48	1500	-8.27
8	1469.213	150.14	1500	-4.45
9	1532.569	148.82	0.000	-2.09

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/	(m)	Y(m)	R(m)	(g)
1	315793.457	4157595.318	0	0
2	315817.577	4157638.855	30	39.451
3	315804.506	4157753.249	5	187.465
4	315793.871	4157625.613	40	72.287
5	315697.064	4157590.037	30	94.104
6	315677.144	4157631.828	30	25.272
7	315607.484	4157694.046	60	24.116
8	315502.749	4157732.302	60	27.369
9	315470.521	4157729.727	15	43.760
10	315434.411	4157694.915	30	35.582
11	315340.862	4157675.154	30	35.055
12	315302.734	4157688.747	15	179.094
13	315249.800	4157668.289	5	45.281
14	315330.473	4157735.854	40	22.114
15	315383.386	4157755.158	60	31.214
16	315496.584	4157881.479	50	92.681
17	315448.492	4157935.742	30	23.797
18	315342.670	4157989.740	180	8.223
19	315294.574	4158006.898	30	74.763
20	315292.103	4158052.827	30	51.069
21	315244.518	4158094.130	15	103.045
22	315283.446	4158134.868	30	82.019
23	315253.795	4158185.979	50	28.586
24	315214.837	4158212.409	0	0

87. R

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	.			%
1	0.00	226.63	0	
2	22.48	225.89	800	-3.31
3	62.99	222.35	800	-8.74
4	96.33	219.19	1350	-9.46
5	165.99	213.07	1350	-8.78
6	453.09	171.6	1350	-14.45
7	684.17	151.1	800	-8.87
8	798.96	133.39	1350	-15.43
9	992.27	122.27	800	-5.76
10	1041.4	118.23	800	-8.21
11	1159.05	101.87	700	-13.91
12	1308.96	122.04	1200	13.46
13	1423.88	129.01	1350	6.06
14	1486.41	135.63	800	10.58
15	1559.14	138.97	800	4.59
16	1568.00	139.36	0	2.96

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800

/			
1	0+270.58	0.800	6.00
2	0+365.06	0.800	6.10
3	0+529.21	0.800	6.10
4	0+774.59	0.800	5.60
5	0+899.58	0.800	7.20
6	1+279.63	0.800	6.00
			37.00 m

	. . ()	. . ()	()
	0+273.43	0+607.63	334.20
			334.20

	. . ()	. . ()	()
	0+000.00	0+273.43	273.43
	0+626.94	1+530.00	903.06
			1176.49

: 1176.49+334.20 = 1510.69

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/	.	.	.
1	0+289.80	0.800	6.00
2	0+449.92	0.800	7,50
3	0+709.50	0.800	6.00
4	1+046.14	0.800	6.00
5	1+419.74	0.800	7.10
			32.60

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	. . ()	. . ()	()
	0+000.00	0+118.88	118.88
	0+777.65	1+137.37	359.72
			478.60

	. . ()	. . ()	()
	0+109.02	0+782.28	673.26
	1+158.58	1+568.00	409.42
			1082.68

: 478.60+1082.68 = 1561.28

3.00

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		X (m)	Y (m)	H(m)
	0	300466.37	4162689.87	253.99
2	11.779	300464.68	4162701.52	253.78
2	17.431	300464.40	4162707.15	253.68
2	20.515	300465.29	4162710.09	253.63
'2	23.6	300467.03	4162712.63	253.57
'2	29.252	300471.59	4162715.93	253.47
3	30.149	300472.36	4162716.38	253.45
3	36.171	300477.73	4162719.09	253.35
3	38.616	300480.10	4162719.69	253.30
'3	41.061	300482.53	4162719.90	253.26
'3	47.083	300488.49	4162719.14	253.15
4	50.833	300492.17	4162718.41	253.09
4	59.355	300500.62	4162717.49	252.94
4	68.14	300508.84	4162720.28	252.78
'4	76.924	300514.52	4162726.85	252.62
'4	85.447	300516.83	4162735.03	252.47
5	86.669	300517.06	4162736.23	252.45
5	97.919	300518.93	4162747.32	252.25
5	106.559	300519.50	4162755.93	252.10
'5	115.198	300519.14	4162764.56	251.94
'5	126.448	300517.54	4162775.69	251.75
1	146.448	300514.24	4162795.42	251.39
2	166.448	300510.93	4162815.14	251.04
3	186.448	300507.62	4162834.87	250.66
4	206.448	300504.31	4162854.59	250.07
5	226.448	300501.01	4162874.32	249.20
6	246.448	300497.70	4162894.04	248.03
7	266.448	300494.39	4162913.77	246.58
6	270.117	300493.78	4162917.39	246.28
6	280.387	300492.96	4162927.59	245.40
6	288.324	300495.21	4162935.15	244.68
'6	296.26	300500.20	4162941.25	243.96
'6	306.531	300509.11	4162946.30	243.02
8	326.531	300527.29	4162954.63	241.20
7	343.737	300542.93	4162961.80	239.64

9	363.737	300560.84	4162970.69	237.82
7	370.404	300566.49	4162974.22	237.21
7	390.472	300581.51	4162987.45	235.38
'7	410.539	300592.78	4163003.99	233.64
10	417.206	300595.59	4163010.04	233.12
'7	437.206	300602.21	4163028.90	231.72
11	457.206	300608.23	4163047.97	230.36
8	463.383	300610.09	4163053.86	229.94
8	474.633	300613.73	4163064.51	229.17
8	477.451	300614.81	4163067.11	228.98
'8	480.269	300615.98	4163069.67	228.79
'8	491.519	300621.31	4163079.58	228.02
12	511.519	300631.20	4163096.96	226.65
13	531.519	300641.09	4163114.35	225.29
9	547.125	300648.80	4163127.91	224.21
9	554.015	300652.65	4163133.61	223.70
9	560.761	300658.17	4163137.38	223.19
'9	567.507	300664.79	4163138.38	222.64
'9	574.397	300671.48	4163136.82	222.07
10	592.645	300688.89	4163131.34	220.42
10	606.901	300702.37	4163132.12	219.02
10	607.598	300702.83	4163132.64	218.95
'10	608.296	300703.23	4163133.21	218.88
'10	622.551	300700.86	4163146.51	217.37
11	626.419	300698.88	4163149.83	216.94
11	635.772	300695.41	4163158.42	215.87
11	639.839	300695.95	4163162.42	215.39
'11	643.906	300698.02	4163165.89	214.91
'11	653.258	300706.07	4163170.46	213.78
14	673.258	300724.78	4163177.53	211.43
15	693.258	300743.49	4163184.59	209.25
16	713.258	300762.20	4163191.66	207.28
17	733.258	300780.91	4163198.72	205.42
18	753.258	300799.62	4163205.79	203.55
19	773.258	300818.33	4163212.86	201.68
20	793.258	300837.04	4163219.92	199.82
21	813.258	300855.75	4163226.99	197.95
22	833.258	300874.46	4163234.05	196.08
23	853.258	300893.17	4163241.12	194.22
24	873.258	300911.88	4163248.18	192.35
25	893.258	300930.59	4163255.25	190.49
26	913.258	300949.30	4163262.32	188.62
27	933.258	300968.01	4163269.38	186.75
28	953.258	300986.73	4163276.45	184.89

29	973.258	301005.44	4163283.51	183.17
30	993.258	301024.15	4163290.58	181.52
31	1013.258	301042.86	4163297.65	179.86
32	1033.258	301061.57	4163304.71	178.21
33	1053.258	301080.28	4163311.78	176.55
34	1073.258	301098.99	4163318.84	174.90
35	1093.258	301117.70	4163325.91	173.24
36	1113.258	301136.41	4163332.97	171.59
37	1133.258	301155.12	4163340.04	169.93
38	1153.258	301173.83	4163347.11	168.28
39	1173.258	301192.54	4163354.17	166.62
40	1193.258	301211.25	4163361.24	164.97
41	1213.258	301229.96	4163368.30	163.31
12	1219.208	301235.52	4163370.41	162.82
12	1224.833	301240.80	4163372.36	162.36
12	1225.451	301241.38	4163372.57	162.30
'12	1226.07	301241.96	4163372.77	162.25
'12	1231.695	301247.30	4163374.57	161.79
42	1251.695	301266.29	4163380.82	160.27
43	1271.695	301285.29	4163387.08	159.03
44	1291.695	301304.29	4163393.34	158.05
45	1311.695	301323.28	4163399.59	157.16
46	1331.695	301342.28	4163405.85	156.27
47	1351.695	301361.27	4163412.11	155.38
48	1371.695	301380.27	4163418.36	154.49
49	1391.695	301399.27	4163424.62	153.59
50	1411.695	301418.26	4163430.88	152.70
13	1413.43	301419.91	4163431.42	152.63
51	1433.43	301438.71	4163438.22	151.74
13	1442.282	301446.68	4163442.06	151.34
13	1455.802	301457.96	4163449.50	150.75
'13	1469.323	301467.82	4163458.72	150.24
52	1478.175	301473.41	4163465.58	149.98
'13	1498.175	301484.42	4163482.27	149.54
14	1507.679	301489.42	4163490.35	149.34
14	1512.679	301492.28	4163494.45	149.23
14	1515.324	301494.19	4163496.27	149.18
'14	1517.969	301496.39	4163497.73	149.12
'14	1522.968	301501.01	4163499.61	149.02
	1526.597	301504.45	4163500.79	148.94

		X (m)	Y (m)	H(m)
	0	315793.46	4157595.32	226.63
1	20	315803.15	4157612.81	225.74
2	35.13	315810.48	4157626.04	224.73
2	45.13	315814.83	4157635.04	223.91
2	49.42	315815.96	4157639.18	223.53
'2	53.72	315816.5	4157643.43	223.16
'2	63.72	315815.91	4157653.41	222.27
2	83.72	315813.64	4157673.28	220.38
3	103.72	315811.37	4157693.15	218.54
3	109.02	315810.77	4157698.41	218.08
3	114.02	315809.4	4157703.17	217.64
3	118.88	315805.24	4157705.29	217.21
'3	123.74	315801.14	4157703.04	216.78
'3	128.74	315799.92	4157698.25	216.34
4	148.74	315798.26	4157678.32	214.43
4	164.9	315796.92	4157662.21	212.67
5	184.9	315793.75	4157642.51	210.21
4	186.75	315793.15	4157640.76	209.97
4	198.54	315787.48	4157630.48	208.36
'4	210.32	315779.07	4157622.28	206.67
6	212.17	315777.55	4157621.23	206.4
'4	232.17	315759.4	4157612.95	203.51
7	252.17	315740.63	4157606.05	200.62
5	263.85	315729.67	4157602.02	198.94
5	278.14	315715.94	4157598.18	196.87
5	293.17	315701.2	4157600.20	194.7
'5	308.2	315689.25	4157609.05	192.53
'5	322.49	315682.12	4157621.39	190.46
6	322.99	315681.9	4157621.85	190.39
6	332.99	315677.11	4157630.61	188.95
6	333.95	315676.55	4157631.38	188.81
'6	334.9	315675.97	4157632.14	188.67
'6	344.9	315668.9	4157639.19	187.23
8	364.9	315653.98	4157652.52	184.34
9	384.9	315639.06	4157665.84	181.45
7	405.7	315623.55	4157679.69	178.44
7	425.7	315607.94	4157692.15	175.59

7	427.06	315606.78	4157692.87	175.4
'7	428.43	315605.6	4157693.55	175.21
'7	448.43	315587.25	4157701.44	172.66
10	468.43	315568.46	4157708.30	170.41
11	488.43	315549.67	4157715.16	168.46
12	508.43	315530.89	4157722.02	166.69
8	515.23	315524.49	4157724.36	166.08
8	535.23	315505.38	4157730.16	164.31
8	538.13	315502.52	4157730.62	164.05
'8	541.03	315499.64	4157730.94	163.8
'8	561.03	315479.67	4157730.46	162.02
9	562.32	315478.39	4157730.36	161.91
9	567.32	315473.44	4157729.68	161.46
9	569.97	315470.93	4157728.81	161.23
'9	572.63	315468.62	4157727.51	160.99
'9	577.63	315464.84	4157724.25	160.55
13	597.63	315450.44	4157710.37	158.78
10	606.25	315444.23	4157704.39	158.01
10	616.25	315436.67	4157697.86	157.12
10	619.63	315433.78	4157696.11	156.82
'10	623.02	315430.7	4157694.70	156.52
'10	633.02	315421.06	4157692.10	155.64
14	653.02	315401.49	4157687.96	153.86
15	673.02	315381.92	4157683.83	151.95
16	693.02	315362.36	4157679.69	149.55
11	701.48	315354.08	4157677.95	148.39
11	711.48	315344.21	4157676.43	146.89
11	714.74	315340.95	4157676.47	146.38
'11	718	315337.72	4157676.86	145.88
'11	728	315328.14	4157679.69	144.34
12	746.87	315310.36	4157686.03	141.48
12	751.87	315305.57	4157687.44	140.76
12	754.71	315302.75	4157687.67	140.37
'12	757.54	315299.93	4157687.37	139.97
'12	762.54	315295.18	4157685.83	139.3
13	777.65	315281.09	4157680.38	137.37
13	782.28	315276.61	4157679.40	136.81
13	787	315272.77	4157681.84	136.26
'13	791.72	315272.49	4157686.38	135.73
'13	796.35	315275.52	4157689.83	135.22
17	816.35	315290.85	4157702.67	133.22
18	836.35	315306.18	4157715.51	131.51
14	854.32	315319.96	4157727.05	130.24
14	867.65	315330.63	4157735.02	129.44

14	867.93	315330.87	4157735.16	129.42
'14	868.21	315331.12	4157735.30	129.41
'14	881.55	315343.35	4157740.55	128.64
15	899.09	315359.83	4157746.57	127.63
15	919.09	315378.19	4157754.44	126.48
15	923.8	315382.19	4157756.93	126.21
'15	928.51	315385.98	4157759.72	125.94
'15	948.51	315400.12	4157773.83	124.79
19	968.51	315413.47	4157788.72	123.64
20	988.51	315426.81	4157803.62	122.46
21	1008.51	315440.16	4157818.51	120.93
22	1028.51	315453.51	4157833.41	119.23
16	1033.35	315456.74	4157837.02	118.76
23	1053.35	315469.38	4157852.49	116.5
16	1062.47	315473.92	4157860.39	115.3
24	1082.47	315478.63	4157879.69	112.76
16	1084.31	315478.67	4157881.53	112.56
25	1086.15	315478.64	4157883.37	112.36
'16	1106.15	315474.03	4157902.69	110.51
26	1115.26	315469.54	4157910.61	109.86
'16	1135.26	315456.98	4157926.16	108.85
17	1137.37	315455.59	4157927.74	108.78
17	1147.37	315448.56	4157934.83	108.51
17	1147.98	315448.08	4157935.21	108.5
'17	1148.58	315447.6	4157935.58	108.49
'17	1158.58	315438.97	4157940.60	108.39
27	1178.58	315421.15	4157949.69	108.62
28	1198.58	315403.34	4157958.78	109.42
29	1218.58	315385.52	4157967.87	110.79
30	1238.58	315367.71	4157976.96	112.75
18	1245.05	315361.95	4157979.90	113.5
18	1265.05	315343.97	4157988.66	116.13
18	1266.67	315342.48	4157989.31	116.35
'18	1268.3	315340.99	4157989.95	116.57
'18	1288.3	315322.28	4157997.01	119.04
19	1291.82	315318.97	4157998.20	119.44
19	1303.45	315308.3	4158002.80	120.69
19	1315.25	315299.59	4158010.64	121.83
'19	1327.05	315294.55	4158021.23	122.86
'19	1338.68	315293.18	4158032.76	123.76
20	1341	315293.06	4158035.08	123.93
20	1351	315291.97	4158045.00	124.59
20	1358.03	315289.64	4158051.62	125.02
'20	1365.07	315285.85	4158057.52	125.45

'20	1375.07	315278.68	4158064.48	126.05
31	1395.07	315263.57	4158077.59	127.27
21	1399.58	315260.16	4158080.55	127.55
21	1409.06	315253.73	4158087.45	128.2
21	1416.46	315251.61	4158094.46	128.76
'21	1423.86	315253.07	4158101.64	129.35
'21	1433.33	315258.83	4158109.11	130.17
22	1439.89	315263.36	4158113.85	130.78
22	1452.66	315271.49	4158123.66	132.06
22	1465.6	315275.7	4158135.79	133.42
'22	1478.54	315274.45	4158148.57	134.64
'22	1491.31	315268.86	4158160.02	135.63
23	1501.52	315263.73	4158168.86	136.28
23	1518.19	315254.59	4158182.77	137.09
23	1521.08	315252.68	4158184.94	137.22
'23	1523.98	315250.65	4158187.00	137.35
'23	1540.64	315237.41	4158197.09	138.12
32	1560.64	315220.86	4158208.32	139
	1567.92	315214.84	4158212.41	139.23