

AERO 2019 - Stężenia maksymalne Smm

Obiekt : Osława Dąbrowa
Nazwa substancji : NO2
8 - ilość emitorów

SZORSTKOŚĆ z0[m] 1.72
WYSOKOŚĆ ANEMOMETRU ha[m] 14

Emitor nr 1 sc
Emitor x[m] y[m] h[m] d[m] v[m/s] T[K] T0[K] Emisja
symbol [g/s]

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1	sc	1675	2338	0.4	0.06	8.71	473.0	293.0	0.000104
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klasa	Ua[m/s]	He[m]	Sm[ug/m3]	Xm[m]
1	1	1.5	2.661	7.2
1	2	0.9	2.944	5.0
1	3	0.8	2.845	4.3
2	1	1.8	4.033	5.6
2	2	1.1	5.055	3.6
2	3	0.9	5.239	2.9
2	4	0.7	5.129	2.6
2	5	0.7	4.911	2.4
3	1	2.0	4.694	5.3
3	2	1.2	6.550	3.1
3	3	0.9	7.246	2.4
3	4	0.8	7.411	2.1
3	5	0.7	7.328	1.8
3	6	0.7	7.129	1.7
3	7	0.6	6.878	1.6
3	8	0.6	6.608	1.5
4	1	2.0	7.736	4.2
4	2	1.5	7.936	2.8
4	3	1.1	9.708	2.0
4	4	0.9	10.642	1.6
4	5	0.8	11.078	1.4
4	6	0.8	11.216	1.3
4	7	0.7	11.174	1.2
4	8	0.7	11.022	1.1
4	9	0.6	10.806	1.0
4	10	0.6	10.553	1.0
4	11	0.6	10.280	0.9
5	1	2.0	11.030	3.1
5	2	1.9	8.238	2.8
5	3	1.4	11.623	1.7
5	4	1.1	14.085	1.3
5	5	1.0	15.819	1.1
6	1	2.0	14.583	2.3
6	2	2.0	10.902	2.3
6	3	1.7	11.798	1.7
6	4	1.4	15.702	1.1

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klasa 5	Ua	5 m/s	Smm	15,819	Xmm	1,1
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SZORSTKOŚĆ z0[m] 1.72
 WYSOKOŚĆ ANEMOMETRU ha[m] 14

Emitor nr 2 sc

Emitor symbol	x[m]	y[m]	h[m]	d[m]	v[m/s]	T[K]	T0[K]	Emisja [g/s]
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2 sc	1663	2420	0.4	0.06	8.71	473.0	293.0	0.000104
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klasa	Ua[m/s]	He[m]	Sm[ug/m3]	Xm[m]
1	1	1.5	2.661	7.2
1	2	0.9	2.944	5.0
1	3	0.8	2.845	4.3
2	1	1.8	4.033	5.6
2	2	1.1	5.055	3.6
2	3	0.9	5.239	2.9
2	4	0.7	5.129	2.6
2	5	0.7	4.911	2.4
3	1	2.0	4.694	5.3
3	2	1.2	6.550	3.1
3	3	0.9	7.246	2.4
3	4	0.8	7.411	2.1
3	5	0.7	7.328	1.8
3	6	0.7	7.129	1.7
3	7	0.6	6.878	1.6
3	8	0.6	6.608	1.5
4	1	2.0	7.736	4.2
4	2	1.5	7.936	2.8
4	3	1.1	9.708	2.0
4	4	0.9	10.642	1.6
4	5	0.8	11.078	1.4
4	6	0.8	11.216	1.3
4	7	0.7	11.174	1.2
4	8	0.7	11.022	1.1
4	9	0.6	10.806	1.0
4	10	0.6	10.553	1.0
4	11	0.6	10.280	0.9
5	1	2.0	11.030	3.1
5	2	1.9	8.238	2.8
5	3	1.4	11.623	1.7
5	4	1.1	14.085	1.3
5	5	1.0	15.819	1.1
6	1	2.0	14.583	2.3
6	2	2.0	10.902	2.3
6	3	1.7	11.798	1.7
6	4	1.4	15.702	1.1

klasa 5	Ua 5 m/s	Smm	15,819	Xmm	1,1
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AERO 2019 - Stężenia maksymalne Smm

Obiekt : Osława Dąbrowa
Nazwa substancji : NO2
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SZORSTKOŚĆ z0[m] 1.72
WYSOKOŚĆ ANEMOMETRU ha[m] 14

Emitor nr 3 sc

Emitor symbol	x[m]	y[m]	h[m]	d[m]	v[m/s]	T[K]	T0[K]	Emisja [g/s]
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3 sc	1655	2487	0.4	0.06	8.71	473.0	293.0	0.000104
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klasa	Ua[m/s]	He[m]	Sm[ug/m3]	Xm[m]
1	1	1.5	2.661	7.2
1	2	0.9	2.944	5.0
1	3	0.8	2.845	4.3
2	1	1.8	4.033	5.6
2	2	1.1	5.055	3.6
2	3	0.9	5.239	2.9
2	4	0.7	5.129	2.6
2	5	0.7	4.911	2.4
3	1	2.0	4.694	5.3
3	2	1.2	6.550	3.1
3	3	0.9	7.246	2.4
3	4	0.8	7.411	2.1
3	5	0.7	7.328	1.8
3	6	0.7	7.129	1.7
3	7	0.6	6.878	1.6
3	8	0.6	6.608	1.5
4	1	2.0	7.736	4.2
4	2	1.5	7.936	2.8
4	3	1.1	9.708	2.0
4	4	0.9	10.642	1.6
4	5	0.8	11.078	1.4
4	6	0.8	11.216	1.3
4	7	0.7	11.174	1.2
4	8	0.7	11.022	1.1
4	9	0.6	10.806	1.0
4	10	0.6	10.553	1.0
4	11	0.6	10.280	0.9
5	1	2.0	11.030	3.1
5	2	1.9	8.238	2.8
5	3	1.4	11.623	1.7
5	4	1.1	14.085	1.3
5	5	1.0	15.819	1.1
6	1	2.0	14.583	2.3
6	2	2.0	10.902	2.3
6	3	1.7	11.798	1.7
6	4	1.4	15.702	1.1

klasa 5 Ua 5 m/s Smm 15,819 Xmm 1,1

AERO 2019 - Stężenia maksymalne Smm

Obiekt : Osława Dąbrowa
 Nazwa substancji : NO2
 8 - ilość emitorów

SZORSTKOŚĆ z0[m] 1.72
 WYSOKOŚĆ ANEMOMETRU ha[m] 14

Emitor nr 4 sc

Emitor symbol	x[m]	y[m]	h[m]	d[m]	v[m/s]	T[K]	T0[K]	Emisja [g/s]
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4 sc	1651	2554	0.4	0.06	8.71	473.0	293.0	0.000104
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klasa	Ua[m/s]	He[m]	Sm[ug/m3]	Xm[m]
1	1	1.5	2.661	7.2
1	2	0.9	2.944	5.0
1	3	0.8	2.845	4.3
2	1	1.8	4.033	5.6
2	2	1.1	5.055	3.6
2	3	0.9	5.239	2.9
2	4	0.7	5.129	2.6
2	5	0.7	4.911	2.4
3	1	2.0	4.694	5.3
3	2	1.2	6.550	3.1
3	3	0.9	7.246	2.4
3	4	0.8	7.411	2.1
3	5	0.7	7.328	1.8
3	6	0.7	7.129	1.7
3	7	0.6	6.878	1.6
3	8	0.6	6.608	1.5
4	1	2.0	7.736	4.2
4	2	1.5	7.936	2.8
4	3	1.1	9.708	2.0
4	4	0.9	10.642	1.6
4	5	0.8	11.078	1.4
4	6	0.8	11.216	1.3
4	7	0.7	11.174	1.2
4	8	0.7	11.022	1.1
4	9	0.6	10.806	1.0
4	10	0.6	10.553	1.0
4	11	0.6	10.280	0.9
5	1	2.0	11.030	3.1
5	2	1.9	8.238	2.8
5	3	1.4	11.623	1.7
5	4	1.1	14.085	1.3
5	5	1.0	15.819	1.1
6	1	2.0	14.583	2.3
6	2	2.0	10.902	2.3
6	3	1.7	11.798	1.7
6	4	1.4	15.702	1.1

klasa 5 Ua 5 m/s Smm 15,819 Xmm 1,1

AERO 2019 - Stężenia maksymalne Smm

Obiekt : Osława Dąbrowa
Nazwa substancji : NO2
8 - ilość emitorów

SZORSTKOŚĆ z0[m] 1.72
WYSOKOŚĆ ANEMOMETRU ha[m] 14

Emitor nr 5 k

Emitor symbol	x[m]	y[m]	h[m]	d[m]	v[m/s]	T[K]	T0[K]	Emisja [g/s]
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5 k	1699	2135	2.9	0.15	19.84	473.0	293.0	0.000550
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klasa	Ua[m/s]	He[m]	Sm[ug/m3]	Xm[m]
1	1	8.5	0.636	27.9
1	2	5.7	0.639	20.4
1	3	4.8	0.581	17.8
2	1	9.1	0.893	24.8
2	2	6.0	0.975	17.1
2	3	5.0	0.925	14.4
2	4	4.4	0.851	13.0
2	5	4.1	0.778	12.2
3	1	9.6	0.989	25.9
3	2	6.3	1.166	16.7
3	3	5.1	1.150	13.6
3	4	4.6	1.084	12.1
3	5	4.2	1.008	11.2
3	6	4.0	0.935	10.6
3	7	3.9	0.868	10.2
3	8	3.7	0.809	9.9
4	1	10.5	0.981	30.7
4	2	6.7	1.304	17.8
4	3	5.4	1.367	13.8
4	4	4.8	1.339	11.9
4	5	4.4	1.279	10.8
4	6	4.2	1.209	10.0
4	7	4.0	1.140	9.5
4	8	3.8	1.074	9.1
4	9	3.7	1.013	8.8
4	10	3.7	0.957	8.6
4	11	3.6	0.906	8.4
5	1	11.6	0.826	43.7
5	2	7.3	1.306	21.4
5	3	5.8	1.498	15.3
5	4	5.1	1.553	12.5
5	5	4.6	1.542	10.9
6	1	12.8	0.649	64.4
6	2	7.8	1.210	26.5
6	3	6.2	1.513	17.3
6	4	5.4	1.657	13.4

klasa 6 Ua 4 m/s Smm 1,657 Xmm 13,4

AERO 2019 - Stężenia maksymalne Smm

Obiekt : Osława Dąbrowa
Nazwa substancji : NO2
8 - ilość emitorów

SZORSTKOŚĆ z0[m] 1.72
WYSOKOŚĆ ANEMOMETRU ha[m] 14

Emitor nr 6 k

Emitor symbol	x[m]	y[m]	h[m]	d[m]	v[m/s]	T[K]	T0[K]	Emisja [g/s]
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6 k	1514	2011	2.9	0.15	19.84	473.0	293.0	0.000550
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klasa	Ua[m/s]	He[m]	Sm[ug/m3]	Xm[m]
1	1	8.5	0.636	27.9
1	2	5.7	0.639	20.4
1	3	4.8	0.581	17.8
2	1	9.1	0.893	24.8
2	2	6.0	0.975	17.1
2	3	5.0	0.925	14.4
2	4	4.4	0.851	13.0
2	5	4.1	0.778	12.2
3	1	9.6	0.989	25.9
3	2	6.3	1.166	16.7
3	3	5.1	1.150	13.6
3	4	4.6	1.084	12.1
3	5	4.2	1.008	11.2
3	6	4.0	0.935	10.6
3	7	3.9	0.868	10.2
3	8	3.7	0.809	9.9
4	1	10.5	0.981	30.7
4	2	6.7	1.304	17.8
4	3	5.4	1.367	13.8
4	4	4.8	1.339	11.9
4	5	4.4	1.279	10.8
4	6	4.2	1.209	10.0
4	7	4.0	1.140	9.5
4	8	3.8	1.074	9.1
4	9	3.7	1.013	8.8
4	10	3.7	0.957	8.6
4	11	3.6	0.906	8.4
5	1	11.6	0.826	43.7
5	2	7.3	1.306	21.4
5	3	5.8	1.498	15.3
5	4	5.1	1.553	12.5
5	5	4.6	1.542	10.9
6	1	12.8	0.649	64.4
6	2	7.8	1.210	26.5
6	3	6.2	1.513	17.3
6	4	5.4	1.657	13.4

klasa 6 Ua 4 m/s Smm 1,657 Xmm 13,4

AERO 2019 - Stężenia maksymalne Smm

Obiekt : Osława Dąbrowa
 Nazwa substancji : NO2
 8 - ilość emitorów

SZORSTKOŚĆ z0[m] 1.72
 WYSOKOŚĆ ANEMOMETRU ha[m] 14

Emitor nr 7 kł

Emitor symbol	x[m]	y[m]	h[m]	d[m]	v[m/s]	T[K]	T0[K]	Emisja [g/s]
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7 kł	1336	1895	3.2	0.15	21.30	473.0	293.0	0.000440
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klasa	Ua[m/s]	He[m]	Sm[ug/m3]	Xm[m]
1	1	9.2	0.445	29.6
1	2	6.2	0.442	21.8
1	3	5.2	0.400	19.0
2	1	9.7	0.623	26.5
2	2	6.5	0.671	18.3
2	3	5.4	0.632	15.5
2	4	4.8	0.578	14.1
2	5	4.5	0.527	13.2
3	1	10.3	0.689	27.7
3	2	6.7	0.800	18.0
3	3	5.6	0.781	14.8
3	4	5.0	0.732	13.2
3	5	4.6	0.678	12.2
3	6	4.4	0.626	11.6
3	7	4.2	0.580	11.1
3	8	4.1	0.539	10.8
4	1	11.1	0.684	33.1
4	2	7.1	0.892	19.4
4	3	5.8	0.923	15.1
4	4	5.2	0.897	13.1
4	5	4.8	0.851	11.9
4	6	4.5	0.801	11.1
4	7	4.3	0.752	10.5
4	8	4.2	0.707	10.1
4	9	4.1	0.665	9.8
4	10	4.0	0.627	9.5
4	11	3.9	0.593	9.3
5	1	12.3	0.577	47.2
5	2	7.7	0.891	23.5
5	3	6.2	1.006	16.9
5	4	5.5	1.030	13.9
5	5	5.0	1.015	12.2
6	1	13.4	0.456	69.8
6	2	8.3	0.826	29.3
6	3	6.6	1.013	19.3
6	4	5.7	1.093	15.1

klasa 6 Ua 4 m/s Smm 1,093 Xmm 15,1

AERO 2019 - Stężenia maksymalne Smm

Obiekt : Osława Dąbrowa
Nazwa substancji : NO2
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SZORSTKOŚĆ z0[m] 1.72
WYSOKOŚĆ ANEMOMETRU ha[m] 14

Emitor nr 8 a

Emitor symbol	x[m]	y[m]	h[m]	d[m]	v[m/s]	T[K]	T0[K]	Emisja [g/s]
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8 a	1077	1742	3.0	0.13	13.25	773.0	293.0	0.005980
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klasa	Ua[m/s]	He[m]	Sm[ug/m3]	Xm[m]
1	1	6.4	11.459	22.2
1	2	4.7	9.773	17.5
1	3	4.1	8.131	15.9
2	1	6.7	17.146	18.9
2	2	4.9	15.688	14.1
2	3	4.2	13.478	12.5
2	4	3.9	11.637	11.6
2	5	3.7	10.185	11.1
3	1	7.0	20.143	18.8
3	2	5.0	19.682	13.3
3	3	4.3	17.431	11.5
3	4	4.0	15.319	10.6
3	5	3.8	13.565	10.0
3	6	3.7	12.132	9.7
3	7	3.6	10.954	9.4
3	8	3.5	9.976	9.2
4	1	7.5	21.931	20.5
4	2	5.3	23.763	13.3
4	3	4.5	22.089	11.0
4	4	4.1	19.975	9.9
4	5	3.9	18.026	9.3
4	6	3.8	16.340	8.8
4	7	3.6	14.903	8.5
4	8	3.6	13.678	8.3
4	9	3.5	12.628	8.1
4	10	3.5	11.721	8.0
4	11	3.4	10.931	7.9
5	1	8.2	21.131	25.7
5	2	5.6	26.650	14.4
5	3	4.7	26.633	11.2
5	4	4.3	25.148	9.7
5	5	4.0	23.357	8.8
6	1	8.9	18.890	33.1
6	2	5.9	27.559	16.0
6	3	5.0	29.561	11.5
6	4	4.5	29.131	9.6

klasa 6 Ua 3 m/s Smm 29,561 Xmm 11,5

Suma Smm = 97.2456 [ug/m3]

