

param.txt

===== param.def

.
Ident = "Roche"
Seed = 11111
Interval = 01:00:00
RefDate = 2016-01-01.00:00:00
Start = 00:00:00
End = 366.00:00:00
Average = 24
Flags = +MAXIMA+CHEM+ODOR+RATEDODOR+MNT+PLURIS
Odorthr = 0.250

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=====
===== grid.def
.
RefX = 32677478
RefY = 5293640
GGCS = UTM
Sk = { 0.0 3.0 6.0 9.0 12.0 15.0 18.0 21.0 24.0 27.0 30.0 33.0 36.0
      39.0 42.0 45.0 48.0 51.0 54.0 57.0 60.0 63.0 66.0 69.0 72.0 76.0
      82.0 91.0 100.0 150.0 200.0 300.0 400.0 500.0 600.0 700.0 800.0
      1000.0 1200.0 1500.0 }
Nzd = 1
Flags = +NESTED+BODIES
-
! NM |      Nl      Ni      Nt      Pt      Dd      Nx      Ny      Nz      Xmin      Ymin
   Rf      Im      Ie
-----+-----
N 04 |      1      1      3      3      48.0     160     160     39 -3435.0 -3565.0
  0.5  200 1.0e-004
N 03 |      2      1      3      3      24.0     160     160     39 -1515.0 -1645.0
  0.5  200 1.0e-004
N 02 |      3      1      3      3      12.0     160     160     39  -555.0  -685.0
  1.0  200 1.0e-004
N 01 |      4      1      3      3      6.0      160     160     24  -75.0   -205.0
  1.0  200 1.0e-004
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-

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===== sources.def

- Erstellt von IBJshape 1.7.0
- Relativkoordinaten beziehen sich auf:
- ggsc = UTM
- refx = 32677478.0
- refy = 5293640.0

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- Flaechenquellen:

! Name			Xq	Yq	Hq	Aq	Bq
Cq	Wq	Dq	Ts	Tt	Vq		
Q 01			324.00	303.00	32.00	0.00	0.00
0.00	0.00	0.7	-1.0	49.0	7.0		
Q 02			156.00	282.00	37.00	0.00	0.00
0.00	0.00	1.0	-1.0	95.0	7.0		
Q 03			376.00	281.00	45.00	0.00	0.00
0.00	0.00	0.8	-1.0	110.0	7.0		
Q 04			374.00	299.00	45.00	0.00	0.00
0.00	0.00	0.9	-1.0	110.0	7.0		
Q 05			377.00	286.00	45.00	0.00	0.00
0.00	0.00	0.9	-1.0	110.0	9.0		
Q 06			237.00	305.00	45.00	0.00	0.00
0.00	0.00	1.0	-1.0	110.0	7.0		
Q 07			841.00	237.00	11.00	0.00	0.00
0.00	0.00	0.3	-1.0	70.0	9.0		
Q 08			325.00	254.00	38.00	0.00	0.00
0.00	0.00	1.3	-1.0	25.0	10.9		
Q 09			334.00	217.00	29.30	0.00	0.00
0.00	0.00	0.5	-1.0	24.0	10.0		
Q 10			468.20	313.70	34.00	0.00	0.00
0.00	0.00	0.4	-1.0	21.0	24.0		
Q 11			225.40	514.90	31.00	0.00	0.00
0.00	0.00	0.2	-1.0	110.0	15.0		
Q 12			754.80	492.80	20.00	0.00	0.00
0.00	0.00	0.8	-1.0	159.0	12.0		
Q 13			619.10	266.80	1.00	17.10	13.60
0.00	3.30	0.0	-1.0	0.0	0.0		
Q 14			800.90	210.40	1.00	39.10	11.00
0.00	-87.10	0.0	-1.0	0.0	0.0		
Q 15			823.80	129.10	0.00	12.00	3.00
4.00	1.90	0.0	-1.0	0.0	0.0		
Q 16			655.10	312.30	0.00	102.50	43.10
4.00	1.10	0.0	-1.0	0.0	0.0		
Q 17			728.70	210.40	0.00	9.30	5.40
4.00	-1.50	0.0	-1.0	0.0	0.0		

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= definition of substances ===== substances.def

.
Name = gas
Unit = g
Rate = 32.00000
Vsed = 0.0000

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! SUBSTANCE	Vdep	Refc	Refd	Rfak	Rexp
K nox	0.000e+000	3.000e-005	0.000e+000	0.000e+000	1.00
K no2	3.000e-003	4.000e-005	1.268e-008	1.000e-007	1.00
K no	5.000e-004	0.000e+000	1.268e-008	0.000e+000	1.00
K fdh	0.000e+000	1.000e-005	0.000e+000	0.000e+000	0.80
K pm-1	1.000e-003	4.000e-005	4.051e-006	3.000e-005	0.80
K pm-2	1.000e-002	4.000e-005	4.051e-006	1.500e-004	0.80
K cg	0.000e+000	1.000e+000	1.157e-005	0.000e+000	0.80
K odor	0.000e+000	1.000e-001	0.000e+000	0.000e+000	0.80
K odor_100	0.000e+000	1.000e-001	0.000e+000	0.000e+000	0.80

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= definition of emission rates ===== emissions.def

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.  
! SOURCE |      gas.nox   gas.no2      gas.no   gas.fdh   gas.pm-1   gas.pm-2  
gas.cg   gas.odor gas.odor_100
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E      01 |  5.990e-001 5.990e-002 3.516e-001 4.792e-002 0.000e+000 0.000e+000  
0.000e+000 0.000e+000  0.000e+000  
E      02 |  1.517e+000 1.517e-001 8.908e-001 6.069e-002 0.000e+000 0.000e+000  
0.000e+000 0.000e+000  0.000e+000  
E      03 |  4.839e-001 4.839e-002 2.841e-001 0.000e+000 2.323e-003 1.548e-003  
0.000e+000 0.000e+000  0.000e+000  
E      04 |  1.014e+000 1.014e-001 5.953e-001 0.000e+000 4.867e-003 3.245e-003  
0.000e+000 0.000e+000  0.000e+000  
E      05 |  1.040e+000 1.040e-001 6.106e-001 0.000e+000 1.248e-002 8.320e-003  
0.000e+000 0.000e+000  0.000e+000  
E      06 |  1.027e+000 1.027e-001 6.029e-001 0.000e+000 1.232e-002 8.216e-003  
0.000e+000 0.000e+000  0.000e+000  
E      07 |  2.232e-001 2.232e-002 1.310e-001 8.926e-003 5.356e-004 3.571e-004  
0.000e+000 0.000e+000  2.500e+003  
E      08 |  0.000e+000 0.000e+000 0.000e+000 0.000e+000 0.000e+000 0.000e+000  
5.333e-001 0.000e+000  0.000e+000  
E      09 |  0.000e+000 0.000e+000 0.000e+000 0.000e+000 2.457e-002 1.638e-002  
0.000e+000 0.000e+000  0.000e+000  
E      10 |  0.000e+000 0.000e+000 0.000e+000 0.000e+000 3.000e-002 2.000e-002  
0.000e+000 0.000e+000  0.000e+000  
E      11 |  1.677e-001 1.677e-002 9.846e-002 1.466e-002 0.000e+000 0.000e+000  
0.000e+000 0.000e+000  0.000e+000  
E      12 |  9.250e-001 9.250e-002 5.431e-001 0.000e+000 3.700e-002 2.467e-002  
0.000e+000 0.000e+000  0.000e+000  
E      13 |  0.000e+000 0.000e+000 0.000e+000 0.000e+000 0.000e+000 0.000e+000  
0.000e+000 0.000e+000  2.833e+003  
E      14 |  0.000e+000 0.000e+000 0.000e+000 0.000e+000 0.000e+000 0.000e+000  
0.000e+000 0.000e+000  5.556e+002  
E      15 |  0.000e+000 0.000e+000 0.000e+000 0.000e+000 0.000e+000 0.000e+000  
0.000e+000 0.000e+000  1.139e+003  
E      16 |  0.000e+000 0.000e+000 0.000e+000 0.000e+000 0.000e+000 0.000e+000  
0.000e+000 0.000e+000  7.250e+003  
E      17 |  0.000e+000 0.000e+000 0.000e+000 0.000e+000 0.000e+000 0.000e+000  
0.000e+000 0.000e+000  2.778e+002
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= definition of bodies ===== bodies.def

- Erstellt von IBJshape 1.7.0
- Relativkoordinaten beziehen sich auf:
- ggsc = UTM
- refx = 32677478.0
- refy = 5293640.0

-
-
- Rechtecke:

.
Btype = BOX

!	NAME	Xb	Yb	Ab	Bb	Cb	Wb
B	01	628.03	-64.17	70.12	50.10	17.00	1.88
B	02	775.49	-72.10	32.96	77.69	20.00	5.14
B	03	620.18	116.54	82.64	23.35	21.00	2.50
B	04	571.56	138.23	72.74	27.23	27.00	-88.58
B	05	521.66	136.91	73.08	26.90	27.00	-88.20
B	06	431.16	62.20	70.94	23.35	22.00	1.86
B	07	478.99	86.88	23.01	19.70	22.00	2.86
B	08	426.46	134.29	36.94	25.23	22.00	-88.47
B	09	451.95	125.09	13.47	9.80	22.00	3.81
B	10	464.54	135.76	10.02	7.03	28.00	-87.18
B	11	328.12	108.10	72.44	20.78	25.00	2.21
B	12	319.86	59.14	50.41	19.84	25.00	1.68
B	13	332.58	108.35	28.43	26.55	25.00	-87.35
B	14	641.21	218.54	38.87	11.81	19.00	-87.99
B	15	619.74	217.42	40.45	12.26	19.00	1.61
B	16	479.00	231.72	75.48	19.90	15.00	-87.76
B	17	446.71	210.16	32.97	21.35	20.00	2.37
B	18	423.79	231.26	24.57	21.23	15.00	-86.82
B	19	448.18	189.55	35.30	13.09	20.00	-88.26
B	20	423.86	190.35	35.87	23.58	15.00	-87.01
B	21	376.25	230.07	39.83	18.48	17.00	-88.85
B	22	318.68	150.50	78.87	37.46	24.00	1.56
B	23	317.27	208.41	36.17	19.09	25.00	2.43
B	24	233.25	195.77	61.83	27.77	35.00	2.06
B	25	220.78	224.63	81.44	10.69	27.00	-88.18
B	26	234.55	149.94	61.45	27.34	35.00	1.73
B	27	138.76	142.58	67.68	82.08	30.00	2.04
B	28	448.17	260.47	57.25	19.21	13.00	1.96
B	29	414.72	258.94	33.38	19.91	20.00	2.40
B	30	457.62	307.69	39.39	24.34	35.00	2.44
B	31	376.37	311.39	23.27	16.78	12.00	-87.95
B	32	323.16	303.97	19.39	19.02	25.00	-87.72
B	33	225.53	285.27	22.09	17.56	12.00	2.27
B	34	136.05	251.57	65.06	28.60	21.00	1.88
B	35	444.94	417.83	48.03	15.10	21.00	1.33
B	36	370.85	398.94	17.58	29.61	24.00	2.14
B	37	372.84	385.29	14.30	13.68	27.00	1.97
B	38	373.48	355.16	15.46	30.22	24.00	3.04
B	39	319.66	352.98	50.78	72.15	12.00	2.22
B	40	241.94	344.82	53.91	57.31	36.00	2.27

B	41	221.86	401.40	71.48	21.55	12.00	1.97
B	42	124.24	307.94	66.10	81.29	25.00	1.91
B	43	542.47	528.97	50.66	43.43	15.00	-88.93
B	44	215.10	507.11	75.55	36.86	29.00	1.91
B	45	219.22	470.89	72.09	35.97	12.00	2.00
B	46	143.56	505.19	50.36	35.32	34.00	1.79
B	47	148.00	462.48	52.27	41.87	13.00	2.41
B	48	400.44	594.29	42.17	20.12	13.00	-88.72
B	49	360.36	541.17	26.83	12.96	13.00	1.46
B	50	308.17	551.88	32.30	63.66	11.00	2.02
B	51	241.63	545.07	45.72	66.15	12.00	1.99
B	52	180.23	593.00	44.11	15.46	12.00	-88.52
B	53	515.20	405.21	45.51	16.28	10.00	-87.64
B	54	533.52	359.97	38.28	16.09	10.00	2.40
B	55	549.06	419.94	41.47	16.56	10.00	1.48
B	56	576.72	421.26	34.56	12.97	10.00	-86.89
B	57	403.94	547.52	96.66	17.65	10.00	-87.46
B	58	32.33	135.42	87.76	55.84	12.00	-89.14
B	59	33.13	26.98	44.86	20.86	12.00	0.84
B	60	408.33	436.45	23.09	23.19	12.00	-88.07
B	61	421.74	349.88	75.06	50.15	12.00	2.46
B	62	512.71	550.72	91.90	22.07	9.00	-88.76
B	63	386.31	541.53	77.51	89.95	12.00	-178.35
B	64	431.99	556.95	105.20	24.19	9.00	-88.02
B	65	466.54	528.65	32.41	22.27	9.00	3.58
B	66	466.37	489.82	32.78	13.35	9.00	2.12
B	67	465.96	489.82	37.24	18.97	9.00	-87.51
B	68	222.20	253.93	76.88	14.23	9.00	1.73
B	69	318.72	255.87	49.58	24.10	9.00	1.06
B	70	377.76	287.14	28.54	16.01	9.00	-88.16
B	71	379.14	335.12	23.44	14.35	6.00	-88.45
B	72	559.39	309.54	31.32	27.28	24.00	2.27
B	73	614.24	338.71	33.33	13.22	12.00	-88.44
B	74	359.01	603.26	48.85	25.73	12.00	-87.60
B	75	616.25	457.71	72.00	72.00	38.00	0.28
B	76	778.98	457.09	28.00	66.00	27.00	89.28
B	77	617.80	388.32	25.00	25.00	27.00	-90.00
B	78	712.95	387.95	25.00	25.00	27.00	-90.00
B	79	752.01	435.87	72.00	30.00	27.00	-89.44
B	80	712.48	410.84	25.00	25.00	27.00	0.80
B	81	617.59	406.31	72.00	30.00	38.00	-0.28
B	82	689.04	405.89	30.00	42.00	38.00	-179.33
B	83	681.78	545.44	144.00	30.00	27.00	90.00
B	84	651.52	689.41	42.00	72.00	27.00	-179.51
B	85	609.87	544.90	42.00	72.00	38.00	0.00
B	86	584.76	597.68	168.00	36.00	38.00	180.00
B	87	440.59	597.77	36.00	24.00	38.00	90.00
B	88	488.49	597.42	36.00	24.00	38.00	90.00
B	89	536.07	598.19	36.00	24.00	38.00	90.00
B	90	584.50	598.05	36.00	24.00	38.00	90.00
B	91	415.83	658.27	168.00	36.00	38.00	0.11
B	92	582.90	730.67	24.00	36.00	27.00	180.00
B	93	510.66	695.06	24.00	36.00	27.00	0.00
B	94	462.80	694.76	24.00	36.00	27.00	0.00

B	95		439.77	730.96	24.00	36.00	27.00	180.00
B	96		392.08	694.17	168.00	38.00	38.00	180.00
B	97		391.88	730.27	24.00	36.00	27.00	180.00
B	98		342.77	729.94	24.00	36.00	27.00	180.00
B	99		271.33	694.05	24.00	36.00	27.00	0.00
B	100		224.02	694.20	24.00	36.00	27.00	0.00
B	101		199.49	731.06	72.00	36.00	27.00	180.00
B	102		199.72	695.15	24.00	36.00	38.00	180.00
B	103		127.25	659.05	24.00	36.00	38.00	0.00
B	104		177.84	613.27	60.00	71.00	38.00	-177.33

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meteo.def
- LPRAKT 3.4.10: time series /home/Vorstand/calc/roche/S0/windV0.akterm
-      Umin=0.70  Seed=11111
.
Version = 5.3  ' boundary layer version
Z0 = 1.000    ' surface roughness length (m)
D0 = 6.000    ' displacement height (m)
Xa = 1958.0   ' anemometer (measurement) x-position (m)
Ya = -1713.0  ' anemometer (measurement) y-position (m)
Ha = 9.9      ' anemometer (measurement) height above ground (m)
Ua = ?        ' wind velocity (m/s)
Ra = ?        ' wind direction (deg)
KM = ?        ' stability class according to Klug/Manier
ZgMean = 619  ' average terrain height (m)
WindLib = ~/lib  ' wind field library
Prec = ?      ' precipitation rate (mm/h)
RefDate = 2016-01-01T00:00:00+0100
-
!          T1          T2      Ua      Ra      KM      Prec
-(ddd.hh:mm:ss) (ddd.hh:mm:ss) (m/s) (deg) (K/M) (mm/h)
Z      00:00:00      01:00:00  0.800   336     1     0.000 '
2016-01-01T01:00:00+0100
Z      01:00:00      02:00:00  0.700    76     2     0.000 '
2016-01-01T02:00:00+0100
...
Z 365.23:00:00  366.00:00:00  0.800    68     2     0.000 '
2017-01-01T00:00:00+0100
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- total precipitation 1091.56 mm in 1091.54 hours

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===== monitor.def

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! Nr. |      Xp      Yp      Hp  
-----+-----  
M 01 |    748.5   -548.5    1.5  
M 02 |    910.5   -372.8    1.5  
M 03 |    587.8   -746.7    1.5  
M 04 |    242.7   -775.0    1.5  
M 05 |   -153.9   -841.3    1.5  
M 06 |   -230.2   -673.7    1.5  
M 07 |   -444.2   -662.1    1.5  
M 08 |   -434.3    -99.6    1.5  
M 09 |   1480.5   -381.7    1.5  
M 10 |   2300.2     11.5    1.5  
M 11 |   1684.1    896.6    1.5  
M 12 |   1572.7   1380.4    1.5  
M 13 |   -876.7    -86.8    1.5  
M 14 |  -1057.1     15.5    1.5  
M 15 |   1673.7     62.5    1.5  
M 16 |     79.0    160.0    1.5  
M 17 |     83.7    424.5    1.5  
M 18 |    361.0   -151.7    1.5  
M 19 |     75.2    -66.3    1.5  
M 20 |    545.0   -95.9    1.5  
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