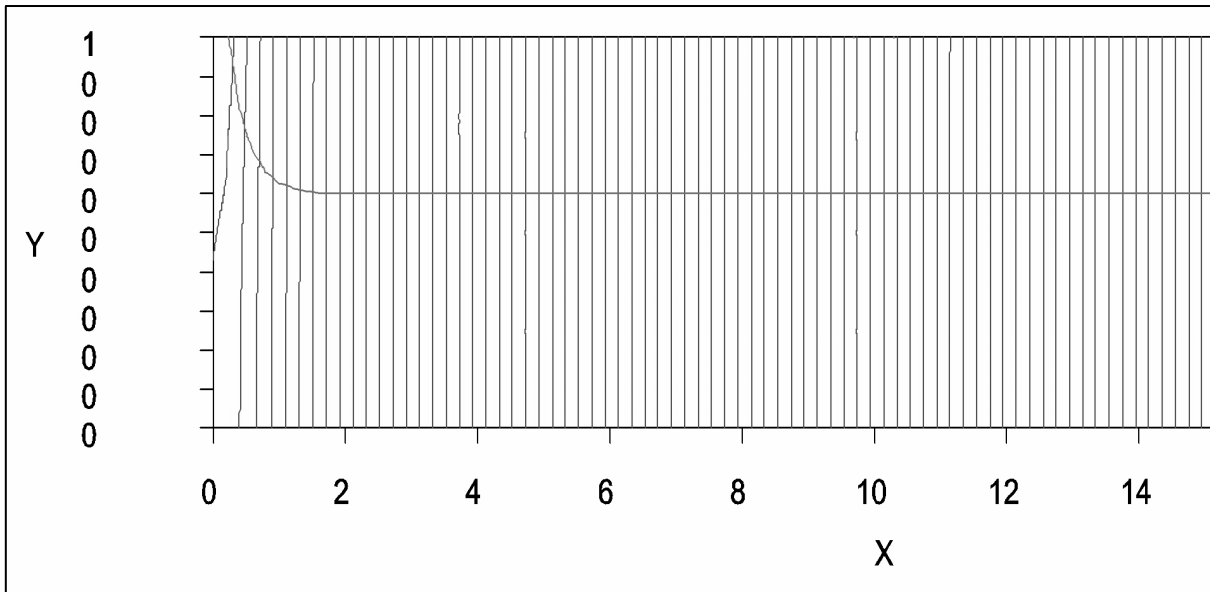
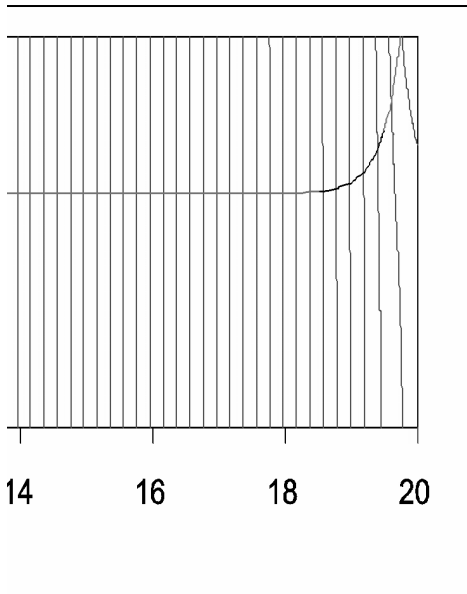


1. Single flow system

- sklon hladiny 0,1
- délka 20 km
- mocnost 0,5 km
- počet x a z bodů 100
- určete hydraulickou výšku v bodě $x = 10, y = 0,167$



další příklady viz list 2, list 3



0.000e+000	1.667e-001	2.466e+000	8.889e+00
2.020e-001	1.667e-001	2.461e+000	9.091e+00
4.040e-001	1.667e-001	2.450e+000	9.293e+00
6.061e-001	1.667e-001	2.434e+000	9.495e+00
8.081e-001	1.667e-001	2.416e+000	9.697e+00
1.010e+000	1.667e-001	2.398e+000	9.899e+00
1.212e+000	1.667e-001	2.378e+000	<u>1.010e+</u>
1.414e+000	1.667e-001	2.358e+000	1.030e+00
1.616e+000	1.667e-001	2.338e+000	1.051e+00
1.818e+000	1.667e-001	2.318e+000	1.071e+00
2.020e+000	1.667e-001	2.298e+000	1.091e+00
2.222e+000	1.667e-001	2.278e+000	1.111e+00
2.424e+000	1.667e-001	2.258e+000	1.131e+00
2.626e+000	1.667e-001	2.237e+000	1.152e+00
2.828e+000	1.667e-001	2.217e+000	1.172e+00
3.030e+000	1.667e-001	2.197e+000	1.192e+00
3.232e+000	1.667e-001	2.177e+000	1.212e+00
3.434e+000	1.667e-001	2.157e+000	1.232e+00
3.636e+000	1.667e-001	2.136e+000	1.253e+00
3.838e+000	1.667e-001	2.116e+000	1.273e+00
4.040e+000	1.667e-001	2.096e+000	1.293e+00
4.242e+000	1.667e-001	2.076e+000	1.313e+00
4.444e+000	1.667e-001	2.056e+000	1.333e+00
4.646e+000	1.667e-001	2.035e+000	1.354e+00
4.848e+000	1.667e-001	2.015e+000	1.374e+00
5.051e+000	1.667e-001	1.995e+000	1.394e+00
5.253e+000	1.667e-001	1.975e+000	1.414e+00
5.455e+000	1.667e-001	1.955e+000	1.434e+00
5.657e+000	1.667e-001	1.934e+000	1.455e+00
5.859e+000	1.667e-001	1.914e+000	1.475e+00
6.061e+000	1.667e-001	1.894e+000	1.495e+00
6.263e+000	1.667e-001	1.874e+000	1.515e+00
6.465e+000	1.667e-001	1.854e+000	1.535e+00
6.667e+000	1.667e-001	1.833e+000	1.556e+00
6.869e+000	1.667e-001	1.813e+000	1.576e+00
7.071e+000	1.667e-001	1.793e+000	1.596e+00
7.273e+000	1.667e-001	1.773e+000	1.616e+00
7.475e+000	1.667e-001	1.753e+000	1.636e+00
7.677e+000	1.667e-001	1.732e+000	1.657e+00
7.879e+000	1.667e-001	1.712e+000	1.677e+00
8.081e+000	1.667e-001	1.692e+000	1.697e+00
8.283e+000	1.667e-001	1.672e+000	1.717e+00
8.485e+000	1.667e-001	1.652e+000	1.737e+00
8.687e+000	1.667e-001	1.631e+000	1.758e+00
			1.778e+00

1.798e+01
1.818e+01
1.838e+01
1.859e+01
1.879e+01
1.899e+01
1.919e+01
1.939e+01
1.960e+01
1.980e+01
2.000e+01

00 1.667e-001 1.611e+000
00 1.667e-001 1.591e+000
00 1.667e-001 1.571e+000
00 1.667e-001 1.551e+000
00 1.667e-001 1.530e+000
00 1.667e-001 1.510e+000

001 1.667e-001 1.490e+000

01 1.667e-001 1.470e+000
01 1.667e-001 1.449e+000
01 1.667e-001 1.429e+000
01 1.667e-001 1.409e+000
01 1.667e-001 1.389e+000
01 1.667e-001 1.369e+000
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01 1.667e-001 1.146e+000
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01 1.667e-001 1.106e+000
01 1.667e-001 1.086e+000
01 1.667e-001 1.066e+000
01 1.667e-001 1.045e+000
01 1.667e-001 1.025e+000
01 1.667e-001 1.005e+000
01 1.667e-001 9.848e-001
01 1.667e-001 9.646e-001
01 1.667e-001 9.444e-001
01 1.667e-001 9.242e-001
01 1.667e-001 9.040e-001
01 1.667e-001 8.838e-001
01 1.667e-001 8.636e-001
01 1.667e-001 8.434e-001
01 1.667e-001 8.232e-001
01 1.667e-001 8.030e-001
01 1.667e-001 7.828e-001
01 1.667e-001 7.627e-001
01 1.667e-001 7.425e-001
01 1.667e-001 7.223e-001

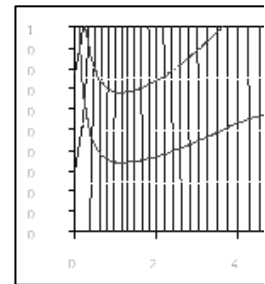
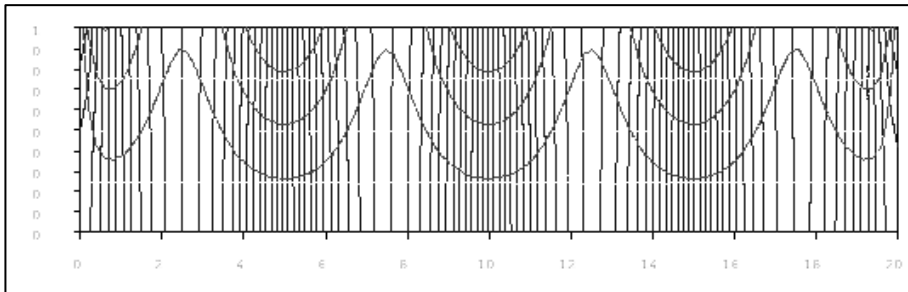
01	1.667e-001	7.021e-001
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01	1.667e-001	6.618e-001
01	1.667e-001	6.418e-001
01	1.667e-001	6.220e-001
01	1.667e-001	6.025e-001
01	1.667e-001	5.836e-001
01	1.667e-001	5.658e-001
01	1.667e-001	5.503e-001
01	1.667e-001	5.388e-001
01	1.667e-001	5.343e-001

2. Multiple flow system

- délka domény 20 km
- mocnost 0,5 km
- a 0,5 km 0,1 km 1 km
- počet vln 2 4 4 2
- výška na pravé straně 20 m
- počet x a z bodů 100
- určete hydraulickou výšku v bodě $x = 10, y = 0,167$
- určete který systém proudění je přítomný – graficky jej vyznačte (export d
- určete oblasti doplňování a odvodnění – graficky je vyznačte (export d

pro 0.5 km , 4 vlny
 1.010e+001 1.667e-001 2.536e-001

pro 0.5 km:
 1.010e+00



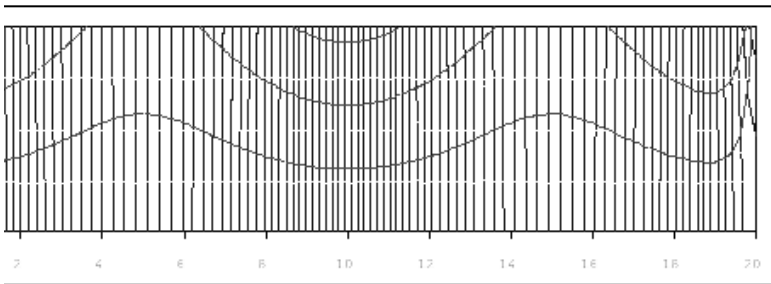
střídání oblastí doplňování a odvodnění
 lokální sys. Proudění

1 km

4

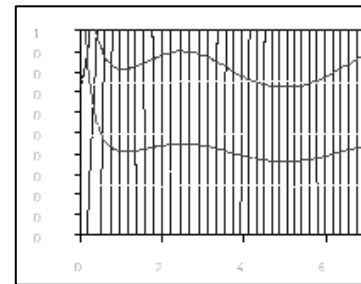
ort souboru)
lo souboru)

, 2 vlny
1 1.667e-001 2.165e-001



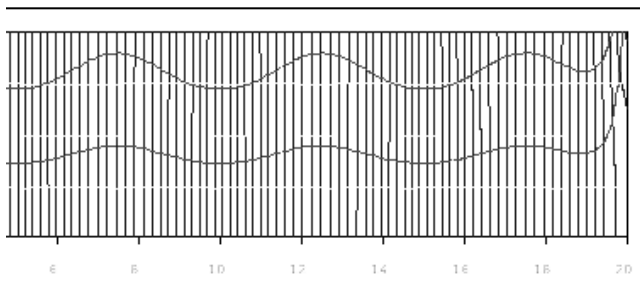
lokál. I region.proud.
vpravo ovodnění a zbytek doplňování

pro 0.1 km, 4 vlny
1.010e+001 1.667e-01



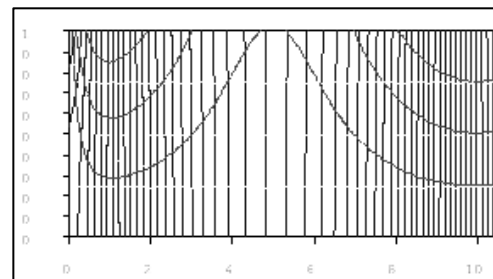
regionál. P1
vpravo odv

01 1.840e-001



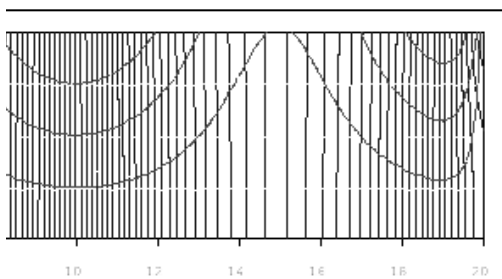
rouďení
rod., vlevo doplň.

pro 1 km, 2 vlny
1.010e+001 1.667e-001 1.066e+



lokál. I reg.pr.
vpravo a uprostř. Odvi

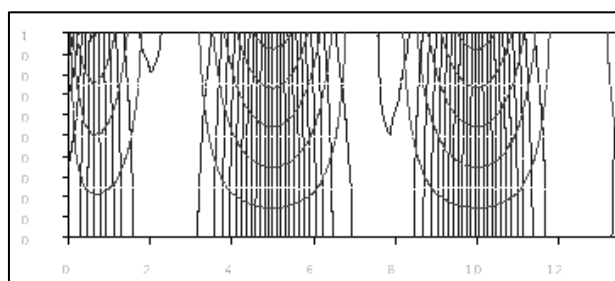
+001



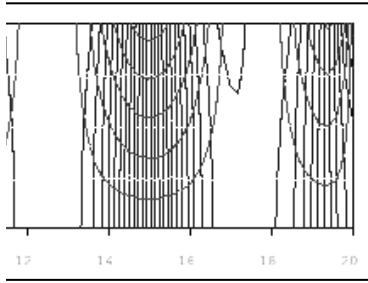
odňování

pro 1 km, 4 vlny

1.010e+001 1.667e-001 3.405e-001



lokální proudění
střídání doplň. A odvod.



3. Multiple flow system with layers

- délka domény 50 km
- mocnost 1. vrstvy a K
- mocnost 2. vrstvy a K
- mocnost 3. vrstvy a K
- vykreslete ve 3 zvolených případech body na povrchu a určete směry

1)

2)

2.I

5.I

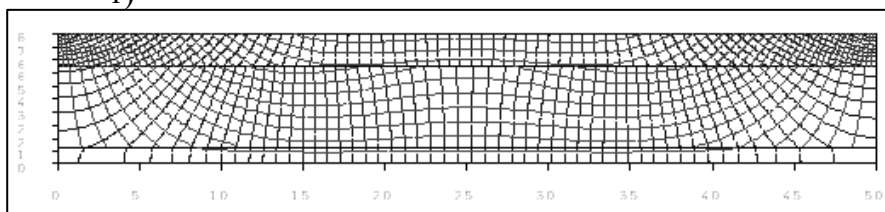
5.II

1.V

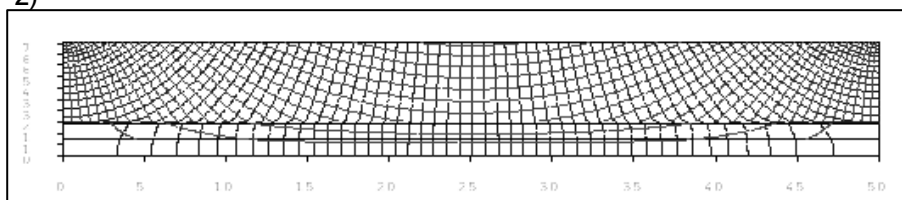
1.X

5.I

1)



2)



3)

5/100

5.X

5.I

4)

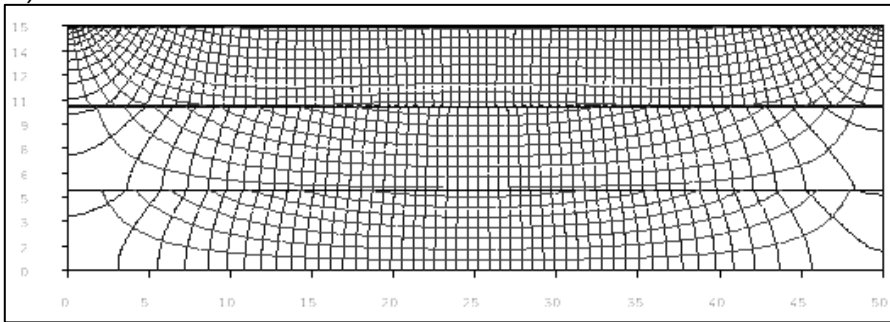
5/100

5.X

5/100

proudění z těchto bodů celým zobrazeným systémem

3)



4)

