

(3) データ入力・計算出力例

データ入力例

2 渚滑川 渚滑川 上渚滑 平成 13 年 9 月 12 日洪水										
1050.60	1	2001	9	10	15	9	13	18		
2	3	10	100	0.00	10	3.07				
5.000	0.050	1.500	2.10	83.75						
76	76									
2.85	8.19	11.74	9.81	6.44	8.18	8.40	2.75	4.36	6.79	
7.46	3.90	4.00	3.41	3.75	4.86	4.78	4.75	4.62	4.25	
3.81	3.95	3.66	4.31	5.12	1.83	0.64	2.17	2.64	1.47	
1.42	2.52	0.53	1.34	1.25	1.66	1.88	2.30	1.93	1.51	
1.34	2.05	1.44	0.62	0.83	0.60	1.58	0.59	0.75	0.19	
1.34	0.00	0.29	0.00	0.39	0.39	0.24	0.00	0.00	0.00	
0.24	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	0.00	0.00					
151.44	151.44	158.09	174.18	223.75	311.62	395.31	493.07	601.62	667.12	
706.06	751.20	808.27	867.42	928.67	962.95	1003.74	1021.48	1039.37	1051.39	
1087.85	1112.50	1150.00	1162.64	1168.98	1181.72	1200.96	1200.96	1175.34	1143.71	
1106.31	1075.62	1039.37	992.00	957.19	991.76	867.42	840.27	813.56	787.27	
761.42	741.05	715.97	701.13	681.59	667.12	648.06	624.62	606.18	588.02	
574.58	552.53	539.50	522.37	509.71	493.07	472.65	456.63	440.89	425.42	
414.00	399.01	384.31	369.87	359.23	345.28	335.00	324.87	311.62	305.09	
295.43	283.93	276.58	267.38	258.35	249.46					
後志利別川 後志利別川 今 金 昭和 61 年 9 月 22 日洪水										
361.40	1	1986	9	21	11	9	23	18		
2	3	10	100	0.00	10	4.44				
5.000	0.050	1.500	2.10	33.97						
56	56									
1.22	1.24	4.88	8.73	6.68	11.14	11.91	15.61	16.49	11.64	
8.20	16.57	6.83	8.25	9.00	0.58	0.16	0.16	0.00	0.14	
0.00	0.41	0.97	0.70	1.37	1.43	1.61	0.89	1.21	1.01	
0.86	0.18	0.14	0.20	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	
0.00	0.00	0.00	0.00	0.00	0.31					
17.48	17.99	19.03	22.33	22.33	24.09	47.37	84.22	185.77	342.58	
484.14	579.75	655.70	727.47	742.27	748.23	748.23	712.82	664.12	590.31	
503.55	408.10	334.54	284.63	252.49	231.19	201.00	204.91	187.64	178.38	
171.13	165.80	157.10	150.30	142.02	133.98	126.19	117.18	111.36	105.68	
101.53	96.11	93.46	88.27	85.73	83.23	80.76	77.13	74.76	72.42	
70.12	67.86	65.64	63.45	61.30	60.24					

計算出力例

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渚滑川
渚滑川
上渚滑
平成 13 年 9 月 12 日洪水
渚滑川 (上渚滑, 流域面積: 1050.60km²) 2001 年 9 月 10 日 ~ 9 月 13 日洪水

76		流域面積	雨量強度	c11 初期値	c12 初期値	c13 初期値	Tc		
		1050.60	3.07	5.000	0.050	1.500	2.10	83.7500	
		c11	c12	c13	k21	k22	Jpe	Jre	収束回数
		6.104	0.504	1.454	38.022	722.083	0.010	0.069	13
		比流量	総雨量	観測総流出	計算総流出	観測ピーク	計算ピーク	総浸透	
		1.143	174.860	172.789	167.416	1200.960	1212.607	59.372	
時間	雨量	実測流量	計算流量	直接流出	計算直接流出	浸透供給量	地下水流出	計算地下水流出	
1	2.8500	151.4400	152.5797	151.3932	152.5329	0.2373	0.0468	0.0468	
2	8.1900	151.4400	158.9710	151.2561	158.7860	0.2470	0.1839	0.1850	
3	11.7400	158.0900	175.4269	157.6826	175.0130	0.2723	0.4074	0.4139	
4	9.8100	174.1800	203.2887	173.4627	202.5497	0.3151	0.7173	0.7390	
5	6.4400	223.7500	239.9785	222.6280	238.8066	0.3715	1.1220	1.1719	
6	8.1800	311.6200	284.9993	309.9714	283.2704	0.4407	1.6486	1.7289	
7	8.4000	395.3100	340.2780	392.9696	337.8474	0.5256	2.3404	2.4307	
8	2.7500	493.0700	401.2678	489.8283	397.9656	0.6191	3.2417	3.3022	
9	4.3600	601.6200	463.6117	597.2186	459.2415	0.7144	4.4013	4.3702	
10	6.7900	667.1200	530.3396	661.2544	524.6787	0.8162	5.8656	5.6609	
11	7.4600	706.0600	603.9837	698.4013	596.7822	0.9284	7.6587	7.2015	
12	3.9000	751.2000	680.2881	741.4106	671.2668	1.0443	9.7894	9.0212	
13	4.0000	808.2700	753.8914	796.0023	742.7428	1.1555	12.2677	11.1485	
14	3.4100	867.4200	822.8539	852.3116	809.2456	1.2589	15.1084	13.6083	
15	3.7500	928.6700	885.7905	910.3427	869.3699	1.3525	18.3273	16.4205	
16	4.8600	962.9500	943.9274	941.0127	924.3275	1.4380	21.9373	19.6000	
17	4.7800	1003.7400	998.0590	977.7998	974.9019	1.5166	25.9402	23.1571	
18	4.7500	1021.4800	1047.4858	991.1451	1020.3875	1.5874	30.3349	27.0983	
19	4.6200	1039.3700	1091.5841	1004.2585	1060.1578	1.6493	35.1115	31.4263	
20	4.2500	1051.3900	1129.3807	1011.1323	1093.2413	1.7007	40.2577	36.1394	
21	3.8100	1087.8500	1159.6512	1042.0878	1118.4199	1.7399	45.7622	41.2314	
22	3.9500	1112.5000	1182.2649	1060.8779	1135.5739	1.7666	51.6220	46.6911	
23	3.6600	1150.0000	1197.4990	1092.1670	1144.9966	1.7813	57.8330	52.5024	
24	4.3100	1162.6400	1206.6265	1098.2479	1147.9813	1.7859	64.3921	58.6451	
25	5.1200	1168.9800	1212.6071	1097.6932	1147.5114	1.7852	71.2867	65.0957	
26	1.8300	1181.7200	1211.8646	1103.2196	1140.0358	1.7735	78.5004	71.8289	
27	0.6400	1200.9600	1198.5903	1114.9395	1119.7744	1.7420	86.0205	78.8159	
28	2.1700	1200.9600	1175.5419	1107.1244	1089.5201	1.6949	93.8356	86.0217	
29	2.6400	1175.3400	1147.6993	1073.4156	1054.2926	1.6401	101.9243	93.4067	
30	1.4700	1143.7100	1115.3674	1033.4565	1014.4374	1.5781	110.2534	100.9301	
31	1.4200	1106.3101	1078.2806	987.5242	969.7307	1.5086	118.7859	108.5499	
32	2.5200	1075.6200	1039.5331	948.1354	923.3094	1.4364	127.4846	116.2237	
33	0.5300	1039.3700	998.9232	903.0545	875.0133	1.3612	136.3156	123.9099	
34	1.3400	992.0000	956.1498	846.7565	824.5821	1.2828	145.2435	131.5677	
35	1.2500	957.1900	913.3743	802.9585	774.2168	1.2044	154.2315	139.1575	
36	1.6600	991.7600	871.8463	828.5033	725.2045	1.1282	163.2567	146.6418	
37	1.8800	867.4200	832.8613	695.1119	678.8752	1.0561	172.3081	153.9861	
38	2.3000	840.2700	797.3806	658.9423	636.2213	0.9898	181.3278	161.1594	

39	1.9300	813.5600	765.3961	623.2730	597.2613	0.9291	190.2870	168.1348
40	1.5100	787.2700	735.9440	588.1031	561.0546	0.8728	199.1669	174.8894
41	1.3400	761.4200	708.4334	553.4698	527.0302	0.8199	207.9502	181.4033
42	2.0500	741.0500	683.5021	524.4289	495.8428	0.7714	216.6211	187.6593
43	1.4400	715.9700	661.1277	490.8033	467.4845	0.7273	225.1667	193.6432
44	0.6200	701.1300	639.8254	467.5556	440.4818	0.6852	233.5744	199.3437
45	0.8300	681.5900	619.1739	439.7544	414.4229	0.6447	241.8356	204.7510
46	0.6000	667.1200	599.3248	417.1782	389.4677	0.6059	249.9419	209.8570
47	1.5800	648.0600	581.0629	390.1737	366.4077	0.5700	257.8863	214.6553
48	0.5900	624.6200	564.2975	358.9595	345.1566	0.5370	265.6605	219.1409
49	0.7500	606.1800	548.3176	332.9249	325.0066	0.5056	273.2551	223.3110
50	0.1900	588.0200	532.8546	307.3571	305.6906	0.4756	280.6630	227.1639
51	1.3400	574.5800	518.4608	286.7014	287.7619	0.4477	287.8786	230.6989
52	0.0000	552.5300	504.9305	257.6323	271.0139	0.4216	294.8978	233.9167
53	0.2900	539.5000	491.5313	237.7854	254.7125	0.3963	301.7146	236.8188
54	0.0000	522.3700	478.3711	214.0439	238.9633	0.3718	308.3260	239.4078
55	0.3900	509.7100	465.6113	194.9810	223.9248	0.3484	314.7290	241.6865
56	0.3900	493.0700	453.5438	172.1483	209.8849	0.3265	320.9217	243.6588
57	0.2400	472.6500	442.0559	145.7491	196.7268	0.3060	326.9008	245.3291
58	0.0000	456.6300	430.9068	123.9681	184.2041	0.2866	332.6619	246.7027
59	0.0000	440.8900	419.9904	102.6874	172.2051	0.2679	338.2026	247.7854
60	0.0000	425.4200	409.3496	81.8989	160.7664	0.2501	343.5211	248.5832
61	0.2400	414.0000	399.1432	65.3834	150.0405	0.2334	348.6166	249.1028
62	0.0000	399.0100	389.3588	45.5203	140.0075	0.2178	353.4897	249.3513
63	0.0000	384.3100	379.8659	26.1700	130.5299	0.2031	358.1400	249.3361
64	0.7500	369.8700	371.0330	7.3030	121.9679	0.1897	362.5670	249.0650
65	0.0000	359.2300	362.7766	0.0000	114.2301	0.1777	359.2300	248.5464
66	0.0000	345.2800	354.7044	0.0000	106.9154	0.1663	345.2800	247.7890
67	0.0000	335.0000	346.8200	0.0000	100.0185	0.1556	335.0000	246.8015
68	0.0000	324.8700	339.1235	0.0000	93.5305	0.1455	324.8700	245.5930
69	0.0000	311.6200	331.6118	0.0000	87.4393	0.1360	311.6200	244.1725
70	0.0000	305.0900	324.2798	0.0000	81.7308	0.1271	305.0900	242.5490
71	0.0000	295.4300	317.1209	0.0000	76.3891	0.1188	295.4300	240.7318
72	0.0000	283.9300	310.1272	0.0000	71.3973	0.1111	283.9300	238.7299
73	0.0000	276.5800	303.2904	0.0000	66.7378	0.1038	276.5800	236.5526
74	0.0000	267.3800	296.6018	0.0000	62.3929	0.0971	267.3800	234.2089
75	0.0000	258.3500	290.0524	0.0000	58.3445	0.0908	258.3500	231.7079
76	0.0000	249.4600	283.6337	0.0000	54.5751	0.0849	249.4600	229.0586

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後志利別川

後志利別川

今 金

昭和 61 年 9 月 22 日洪水

後志利別川 (今 金 ,流域面積 : 361.40km2) 1986 年 9 月 21 日 ~ 9 月 23 日洪水

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流域面積	雨量強度	c11 初期値	c12 初期値	c13 初期値	Tc				
361.40	4.44	5.000	0.050	1.500	2.10	33.9700			
c11	c12	c13	k21	k22	Jpe	Jre	収束回数		
4.918	0.579	1.878	29.838	229.843	0.081	0.319	15		
比流量	総雨量	観測総流出	計算総流出	観測ピーク	計算ピーク	総浸透			
2.070	150.890	127.956	139.989	748.230	808.673	74.353			
時間	雨量	実測流量	計算流量	直接流出	計算直接流出	浸透供給量	地下水流出	計算地下水流出	
1	1.2200	17.4800	17.7069	17.4480	17.6749	0.1547	0.0320	0.0320	
2	1.2400	17.9900	18.4533	17.8671	18.3298	0.1604	0.1229	0.1235	
3	4.8800	19.0300	20.6382	18.7627	20.3685	0.1782	0.2673	0.2697	

4	8.7300	22.3300	26.5199	21.8670	26.0481	0.2279	0.4630	0.4718
5	6.6800	22.3300	37.4281	21.6184	36.6842	0.3210	0.7116	0.7438
6	11.1400	24.0900	55.8055	23.0815	54.6892	0.4785	1.0085	1.1163
7	11.9100	47.3700	86.3927	46.0024	84.7492	0.7415	1.3675	1.6435
8	15.6100	84.2200	135.2836	82.3577	132.8666	1.1625	1.8623	2.4170
9	16.4900	185.7700	209.7523	183.1243	206.1694	1.8039	2.6457	3.5830
10	11.6400	342.5800	307.6528	338.5292	302.2965	2.6450	4.0508	5.3563
11	8.2000	484.1400	415.0509	477.6195	407.0519	3.5616	6.5205	7.9989
12	16.5700	579.7500	530.9940	569.3523	519.2242	4.5431	10.3977	11.7698
13	6.8300	655.7000	643.6118	639.8520	626.6964	5.4834	15.8480	16.9153
14	8.2500	727.4700	730.4680	704.5314	706.8477	6.1847	22.9386	23.6203
15	9.0000	742.2700	790.4889	710.6075	758.5413	6.6370	31.6625	31.9476
16	0.5800	748.2300	808.6734	706.3661	766.8352	6.7096	41.8638	41.8382
17	0.1600	748.2300	777.2948	694.8829	724.2174	6.3367	53.3471	53.0774
18	0.1600	712.8200	711.7540	646.9274	646.4567	5.6563	65.8926	65.2974
19	0.0000	664.1200	628.5570	584.9133	550.5074	4.8168	79.2067	78.0495
20	0.1400	590.3100	541.5449	497.3478	450.6696	3.9432	92.9623	90.8752
21	0.0000	503.5500	460.1573	396.7552	356.7984	3.1219	106.7948	103.3588
22	0.4100	408.1000	389.9041	287.7652	274.7452	2.4039	120.3348	115.1588
23	0.9700	334.5400	333.3953	201.2926	207.3749	1.8145	133.2474	126.0205
24	0.7000	284.6300	289.9279	139.3246	154.1522	1.3488	145.3054	135.7757
25	1.3700	252.4900	257.8142	96.0977	113.4825	0.9929	156.3923	144.3318
26	1.4300	231.1900	235.0726	64.7195	83.4162	0.7299	166.4705	151.6563
27	1.6100	201.0000	219.3945	25.4607	61.6309	0.5393	175.5393	157.7636
28	0.8900	204.9100	208.5015	21.3002	45.8013	0.4007	183.6098	162.7002
29	1.2100	187.6400	200.8136	0.0000	34.2808	0.2999	187.6400	166.5328
30	1.0100	178.3800	195.3385	0.0000	25.9987	0.2275	178.3800	169.3399
31	0.8600	171.1300	191.2066	0.0000	20.0007	0.1750	171.1300	171.2059
32	0.1800	165.8000	187.7093	0.0000	15.4926	0.1356	165.8000	172.2168
33	0.1400	157.1000	184.4318	0.0000	11.9749	0.1048	157.1000	172.4568
34	0.2000	150.3000	181.2514	0.0000	9.2446	0.0809	150.3000	172.0068
35	0.0000	142.0200	178.0530	0.0000	7.1100	0.0622	142.0200	170.9430
36	0.0000	133.9800	174.7579	0.0000	5.4206	0.0474	133.9800	169.3372
37	0.0000	126.1900	171.3462	0.0000	4.0899	0.0358	126.1900	167.2563
38	0.0000	117.1800	167.8091	0.0000	3.0472	0.0267	117.1800	164.7618
39	0.0000	111.3600	164.1462	0.0000	2.2352	0.0196	111.3600	161.9110
40	0.0000	105.6800	160.3637	0.0000	1.6078	0.0141	105.6800	158.7559
41	0.0000	101.5300	156.4720	0.0000	1.1276	0.0099	101.5300	155.3445
42	0.0000	96.1100	152.4850	0.0000	0.7649	0.0067	96.1100	151.7201
43	0.0000	93.4600	148.4181	0.0000	0.4957	0.0043	93.4600	147.9225
44	0.0000	88.2700	144.2880	0.0000	0.3009	0.0026	88.2700	143.9871
45	0.0000	85.7300	140.1115	0.0000	0.1653	0.0014	85.7300	139.9462
46	0.0000	83.2300	135.9055	0.0000	0.0767	0.0007	83.2300	135.8288
47	0.0000	80.7600	131.6858	0.0000	0.0252	0.0002	80.7600	131.6606
48	0.0000	77.1300	127.4674	0.0000	0.0027	0.0000	77.1300	127.4647
49	0.1700	74.7600	123.2614	0.0000	0.0000	0.0000	74.7600	123.2614
50	0.0000	72.4200	119.0688	0.0000	0.0000	0.0000	72.4200	119.0688
51	0.0000	70.1200	114.9026	0.0000	0.0000	0.0000	70.1200	114.9026
52	0.0000	67.8600	110.7768	0.0000	0.0000	0.0000	67.8600	110.7768
53	0.0000	65.6400	106.7030	0.0000	0.0000	0.0000	65.6400	106.7030
54	0.0000	63.4500	102.6917	0.0000	0.0000	0.0000	63.4500	102.6917
55	0.0000	61.3000	98.7515	0.0000	0.0000	0.0000	61.3000	98.7515
56	0.3100	60.2400	94.8898	0.0000	0.0000	0.0000	60.2400	94.8898