

Xiaoyong Zhan :

401

44

330

26

.1

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$P((x_i + x_{i+1}))$

$x_i$

$f(P)$

$= ($

$i+1/2, t_n + \Delta t$

$t_n$

$)0.5$

$$\frac{\partial f(P)}{\partial t} = \frac{Z_i^{n+1} + Z_{i+1}^{n+1} - Z_i^n - Z_{i+1}^n}{2\Delta t_n} \quad (7)$$

$$\frac{\partial f(P)}{\partial x} = \beta \frac{Z_{i+1}^{n+1} - Z_i^{n+1}}{\Delta x_i} + (1 - \beta) \frac{Z_{i+1}^n - Z_i^n}{\Delta x_i} \quad (8)$$

1.0

0.5

)4921( Lai Baltzer

0.5

1.0

)4922( Amein

x i

t 0

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t n

0.01

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FORTRAN 77/90

2000 )SGI(

SGI

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1974

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Zhan

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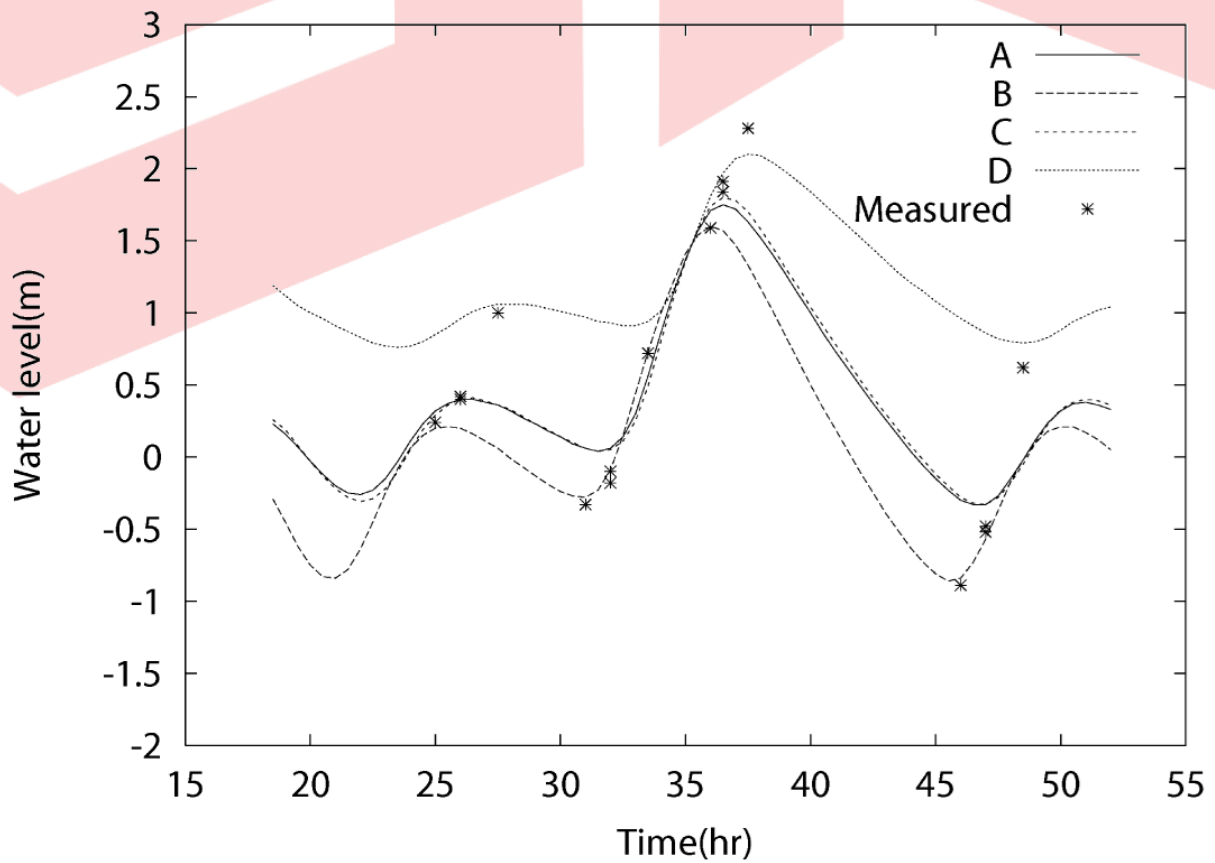
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Network	Time	Channels	Junctions	Sections	Boundaries
Dongjiang	10/1-3/1988	10	4	21	4
Guangzhou	6/19-20/1983	34	20	103	7
Guangzhou	6/25-26/1983	34	20	103	7
Pearl River	12/16-26/1987	98	58	310	11
Pearl River	7/27/1968	104	62	330	11
Pearl River	7/22/1974	104	62	330	11
Pearl River	7/6/1978	104	62	330	11
Pearl River	3/25-27/1982	104	62	330	11

**Table II.**  
Scenarios of applications



1987            26 16

)1990(Wu Zhan

1988

5.7

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Dongjiang

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(4990(Wu Zhan

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