

## รายการอ้างอิง

- [1] Wang, J.S., Ni, H.G. and He, Y.S. Finite-difference TVD Scheme for Computation of Dam-break Problems. *JHE* 126(4) : 253-262.
- [2] Fritz R. Fiedler, Jorge A. Ramirez. A numerical method for simulating discontinuous shallow flow over an infiltrating surface. *Int. J. Num. Methods in Fluids* 32(2000) : 219-240.
- [3] Mohammed Mahmud Alam. Collocation Finite-Element Simulation of Dam-Break Flows. *J. Hydr. Engrg.*, 121(2) : 118-128.
- [4] A. Bermudez, C. Rodriguez, M.A. Vilar. Solving Shallow Water Equations by a Mixed Implicit Finite Element Method. *Journal of Numerical Analysis.*, 11(1) : 79-97.
- [5] R.J. LeVeque. Finite volume methods for hyperbolic problems. Cambridge Text in Applied Mathematics : Cambridge University Press, Cambridge United Kingdom 2002.
- [6] Van Leer, B. Towards the Ultimate Conservation Difference Scheme, III. *J. Comp. Physics* 23(1977) : 263-275.
- [7] Harten, A., Lax, P.D. and Van Leer, B. On Upstream Differencing and Godunov-type Schemes for Hyperbolic Conservation Laws. *SIAM Rev.* 25(1) : 35-61.
- [8] Harten, A. High Resolution Schemes for Hyperbolic Conservation Laws. *J. Comp. Physics* 49(1983) : 357-393.
- [9] Buffard, T. Gallouet, and J. M. Herard. Godunov scheme to solve the shallow water equation. *CR Acad Sci Paris.* 1(326) : 885-890.
- [10] Osher, S. and Solomon, F. Upwind Difference Schemes for Hyperbolic Conservation Laws. *Math. Comp.* 38(158) : 339-374.
- [11] Alcrudo, F. and Garcia-Navarro, P. A High resolution Godunov-type Scheme in Finite Volumes for the 2D Shallow water Equations. *Int. J. Num. Methods in Fluids* 16(1993) :489-505.
- [12] Nujic, M. Efficient Implementation of Nonoscillatory Schemes for the Computation of Free Surface Flow. *JHR* 33(1) :101-111.
- [13] Valiani, A., Caleffi, V. and Zanni, A. Case Study : Mapasset Dam-Break Simulation

- Using a 2D Finite Volume Method. JHE 128(5) :460-472.
- [14] A. Mignone and G. Bodo. An HLLC Riemann solver for relativistic flows. Mon. Not. R. Astron. Soc. 364(2005) : 126-136.
- [15] Suwannasri P. PARALLEL COMPUTATION OF SHALLOW WATER FLOW PROBLEMS. Degree of Master Computational Science Faculty of Science Chulalongkorn University, 2004.
- [16] Long Lee and Randall J. LeVeque. An Immersed interface method for incompressible Navier-Stokes equations. SIAM J. Sci. Com. Vol. 25 No. 3 : 832-856
- [17] Valerio Caleffi, Alessandro Valiani, Andrea Zanni. Finite Volume method for simulating extreme flood events in natural channels. Journal of Hydraulic Research Vol. 41, No. 2(2003) : 167-177.
- [18] Stephen Roberts, Christopher Zoppou. Robust and efficient solution of the 2D shallow water equation with domains containing dry beds. Anziam J. 42(2000) : 1260-1282.
- [19] Zhao, D.H., Shen, H.W., Tabios, G.Q., Lai, J.S. and Tan, W.Y. Finite-volume Two-dimensional Unsteady-flow Model for River Basins. JHE 120(7) : 863-883.
- [20] Fennema, R.J. and Chaudhry, M.H. Explicit Methods for 2D Transient Free-Surface Flows. JHE 116(8) :1013-1034.
- [21] Ambrosi, D. Approximation of Shallow water Equations by Roe's Riemann Solver. Int. J. Num. Methods in Fluids 20(1995) : 157-168.
- [22] Sleigh, P.A., Gaskell, P.H., Berzins, M. and Wright, N.G. An Unstructured Finite-volume Algorithm for Predicting Flow in Rivers and Estuaries. Computers & Fluids 27(4) : 479-508.
- [23] Brufau, P. and Garcia-Navarro, P. Two-dimensional Dam Break Flow Simulation. Int. J. Num. Methods in Fluids 33(1) : 35-58.
- [24] A. Bermudez and ME Vazquez. Upwind methods for hyperbolic conservation laws with source terms. Computer & Fluids 23(8) : 1049-1071.
- [25] Fraccarollo, L. and Toro E. F. (1995). Experimental and numerical assessment of the shallow water model for two-dimensional dam-break type problems.. *J. of Hydraulic Research*, Vol.33, No.6, 843-864

- [26] S. Soares Frazao, B. Noel, Y. Zech. *Experiments of dam-break flow in the presence of obstacles.* Accepted for publication in River Flow 2004 Conference proceedings, Naples, Italy, 23-25 June 2004
- [27] M.E. Hubbard. Multidimensional Slope Limiters for MUSCL-Type Finite Volume Schemes on Unstructured Grids. *Journal of Computational Physics* 155(1999) : 54-74.

## ประวัติผู้เขียนวิทยานิพนธ์

ศศิเกษม ลักษธรรมสกุล เกิดเมื่อวันที่ 20 พฤษภาคม 2524 จบการศึกษาระดับ  
ปริญญาตรี จากสถาบันเทคโนโลยีพระจอมเกล้าพระนครเหนือ คณะวิทยาศาสตร์ปัจจุบัน  
ภาควิชาคณิตศาสตร์ สาขามatematics ปี พ.ศ. 2545 เมื่อปีการศึกษา 2545