

# References

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- Abbott, M. B. (1979). *Computational hydraulics, elements of the theory of free surface flows*, Pitman Advanced Publishing Limited, London, 43.
- Berger, R. C. (1993). "A finite element scheme for shock capturing," Technical Report HL-93-12, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Berger, R. C., and Stockstill, R. L. (1995). "Finite-element model for high-velocity channels," *Journal of Hydraulic Engineering* 121(10), 710-716.
- Bhowmik, N. G., Soong, T. W., and Xia, R. (1993). "Physical effects of barge tows on the Upper Mississippi River System: Analysis of existing data collected by the Illinois Water Survey from the Kampsville Site on the Illinois River," Draft Progress Report No. 2, Illinois State Water Survey, Champaign, IL.
- \_\_\_\_\_. (1994). "Physical effects of barge tows on the Upper Mississippi River System: Analysis of existing data collected by the Illinois water survey from the Clark's Ferry site on the Mississippi River," Draft Progress Report, Illinois State Water Survey, Champaign, IL.
- Brater, E. F., and King, H. W. (1976). *Handbook of hydraulics for the solution of hydraulic engineering problems*. McGraw-Hill, New York. 7-17.
- Chapman, R. S., and Kuo, C. Y. (1985). "Applications of the two-equation  $k-\epsilon$  turbulence model to a two-dimensional, steady, free surface flow problem with separation," *International Journal for Numerical Methods in Fluids* 5, 257-268.
- Jansen, P. Ph., and Schijf, J. B. (1953). *18th International navigation congress*, Rome. Permanent International Association of Navigation Congresses, Brussels, Section 1, Communication 1, 175-197.
- Katopodes, N. D. (1986). "Explicit computation of discontinuous channel flow," *Journal of Hydraulic Engineering*, ASCE, 112(6), 456-475.

- Maynard, S. T. (1996). "Return velocity and drawdown in navigable waterways," Technical Report HL-96-7, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Maynard, S. T., and Martin, S. K. (1997). "Interim Report for the Upper Mississippi River - Illinois Waterway System Navigation Study, Physical Forces Study, Kampsville, Illinois Waterway," ENV Report 3, U. S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Maynard, S. T., and Martin, S. K. (1998). "Interim Report for the Upper Mississippi River - Illinois Waterway System Navigation Study, Physical Forces Study, Clark's Ferry, Mississippi River," ENV Report 5, U. S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Maynard, S. T., and Siemsen, T. S. (1991). "Return velocities induced by shallow-draft navigation." *Hydraulic Engineering: Proceedings of the 1991 National Conference*, Nashville, TN, July 29 – August 2, 1991. R. M. Shane, ed., ASCE, New York, 894-899.
- Rodi, W. (1980). "Turbulence models and their application in hydraulics - a state of the art review," State-of-the art paper, International Association for Hydraulic Research, Delft, The Netherlands.
- Stockstill, R. L., and Berger, R. C. (1994). "HIVEL2D: a two-dimensional flow model for high-velocity channels," Technical Report REMR-HY-12, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Stoker, J. J. (1957). *Water waves, the mathematical theory with applications*. Interscience Publishers, New York, 219-243.
- Whitham, G. B. (1974). *Linear and nonlinear waves*. John Wiley, New York, 462.