

A non-exhaustive list of publications concerning Phoenics software use in water projects.

Sugawara, M., Komatsu, Y., Beer, H.

Melting of ice stuck on cylinders placed horizontally in a water flowing duct

(2015) *Heat and Mass Transfer/Waerme- und Stoffuebertragung*, 8 p. Article in Press.

Agah, A., Doulati Ardejani, F., Ghoreishi, H.

Two-dimensional numerical finite volume modeling of processes controlling distribution and natural attenuation of BTX in the saturated zone of a simulated semi-confined aquifer

(2013) *Arabian Journal of Geosciences*, 6 (6), pp. 1933-1944.

Sengupta, S., Vijayan, P.K., Sasidharan, K., Raina, V.K.

A numerical study of flow and mixing characteristics inside the chimney structure of a pool type research reactor

(2013) *Annals of Nuclear Energy*, 51, pp. 167-180.

Gómez, E.R., Zenit, R., Rivera, C.G., Trápaga, G., Ramírez-Argáez, M.A.

Mathematical modeling of fluid flow in a water physical model of an aluminum degassing ladle equipped with an impeller-injector

(2013) *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, 44 (2), pp. 423-435.

Hata, K., Shirai, Y., Masuzaki, S., Hamura, A.

Computational study of turbulent heat transfer for heating of water in a short vertical tube under velocities controlled

(2012) *Nuclear Engineering and Design*, 249, pp. 304-317.

Crowther, J.M., Dandy, G.C.

Model comparisons for tracer experiments at a clear water storage tank

(2012) *Australian Journal of Water Resources*, 15 (2), pp. 145-156.

Smida, K., Lamloumi, H., Hafsia, Z., Maalel, K.

CFD analysis of water solitary wave reflection

(2011) *Journal of Engineering Research*, 8 (2), pp. 10-18.

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A fast method for 3D CFD modeling of a long river reach

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A very large dew and rain ridge collector in the Kutch area (Gujarat, India)

(2011) *Journal of Hydrology*, 405 (1-2), pp. 171-181.

Nagai, N., Ito, T., Nishijiri, N.

Visualization and numerical simulation of two-phase flow between electrodes on alkaline water

electrolysis

(2010) *Journal of Flow Visualization and Image Processing*, 17 (2), pp. 99-112.

Vasarevičius, S., Mineikaite, A., Vaitiekunas, P.

Investigation into heavy metals in storm wastewater from vilnius žirmūnai district and pollutantits spread model in neris river

(2010) *Journal of Environmental Engineering and Landscape Management*, 18 (3), pp. 242-249.

Vaidya, A.M., Borgohain, A., Maheshwari, N.K., Govindan, D., Vijayan, P.K.

Numerical investigation of heat transfer in the vertical annulus between pressure tube and calandria tube of the advanced water cooled reactor

(2010) *Kerntechnik*, 75 (4), pp. 164-169.

Ardejani, F.D., Shokri, B.J., Bagheri, M., Soleimani, E.

Investigation of pyrite oxidation and acid mine drainage characterization associated with Razi active coal mine and coal washing waste dumps in the Azad shahr-Ramian region, northeast Iran

(2010) *Environmental Earth Sciences*, 61 (8), pp. 1547-1560.

Clus, O., Ouazzani, J., Muselli, M., Nikolayev, V.S., Sharan, G., Beysens, D.

Comparison of various radiation-cooled dew condensers using computational fluid dynamics

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Hafsia, Z., Hadj, M.B., Lamloumi, H., Maalel, K.

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Betancourt-Quiroga, F.O., Palacio-Pérez, A., Rodríguez-Valdés, A., Silva-Casarín, R.

Numerical determination of oil spill areas in water bodies [Determinación numérica del área de derrames de petróleo en cuerpos de agua]

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Vaidya, A.M., Maheshwari, N.K., Vijayan, P.K., Saha, D., Sinha, R.K.

Effect of inlet configuration on moderator velocity and temperature distribution inside the calandria of a heavy water reactor

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(2007) *Journal of Food Engineering*, 80 (4), pp. 1031-1042.

Paliulis, D.

Numerical modeling of kinetics of heavy metal sorption from polluted water

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1997	Knudsen M	The mixing processes in aeration tanks in waste water treatment plants modelled with PHOENICS	Proceedings, 'Seventh International PHOENICS User Conference', Seville, May 1997. The PHOENICS Journal of Computational Fluid Dynamics and its Applications, Vol. 10, No. 3, pp250-261, 1997.
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1996	Hadjerioua B, Mobley MH, Hauser GE & Brock WG	Modelling of surface water pumps in TVA reservoirs	Presented at a meeting of the American Society of Civil Engineers, June 1996

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1996	Ohnuki A, Araya F & Akimoto, H.	Analysis of residual heat removal process due to natural circulation in a water pool of a passive safety light water reactor	The PHOENICS Journal of Computational Fluid Dynamics and its Applications, Vol. 9 No. 3, pp 326-342, 1996
1996	Kluck J	Design of storm water settling tanks for combined sewer overflows	Proceedings, 7th International Conference on Urban Storm Water Drainage, Hannover, September 1996
1995	Perrusquia G, Petersen O & Larsen T	Influence of sewer sediments on flow friction and shear stress distribution	Water Science and Technology.
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1989	Danckert H, Wersching R & Schockle S	Three dimensional calculation of the water flow in a cylinder head	Proceedings of the 3rd PHOENICS User Conference-Dubrovnik. The PHOENICS journal of Computational Fluid Dynamics and Its Applications Vol. 2, No 1, pp 42-60 1989. Published by CHAM
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