

Air pocket dynamics under bridging of stratified flow during rapid filling of a horizontal pipe

Kaur, Katrin; Laanearu, Janek; Annus, Ivar Journal of hydraulic engineering 2023 / art. 04022030, 11 p. : ill

[https://doi.org/10.1061/\(ASCE\)HY.1943-7900.0002021](https://doi.org/10.1061/(ASCE)HY.1943-7900.0002021) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Applications of the models

Danaila, Ionut; Kaplanski, Felix; Sazhin, Sergei Vortex Ring Models 2021 / p. 141-154 https://doi.org/10.1007/978-3-030-68150-0_7

Article collection metrics at Scopus Article at Scopus

CFD simulation of bubbly flow in a long coaxial heat exchanger

Akhmadullin, Ildar; Kartušinski, Aleksander Thermal Science and Engineering Progress 2021 / art. 100991, 11 p

<https://doi.org/10.1016/j.tsep.2021.100991> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental investigation on rapid filling of a large-scale pipeline

Hou, Qingzhi; Tijsseling, Arris S.; Laanearu, Janek; Annus, Ivar; Koppel, Tiit 2013

Experimental investigation on rapid filling of a large-scale pipeline

Hou, Qingzhi; Tijsseling, Arris S.; Laanearu, Janek; Annus, Ivar; Koppel, Tiit Journal of hydraulic engineering 2014 / art.

04014053, p. 1-14 : ill [https://doi.org/10.1061/\(ASCE\)HY.1943-7900.0000914](https://doi.org/10.1061/(ASCE)HY.1943-7900.0000914) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental study of filling and emptying of a large-scale pipeline

Hou, Qingzhi; Tijsseling, Arris S.; Laanearu, Janek; Annus, Ivar; Koppel, Tiit; Bergant, Anton; Vučkovič, S.; Gale, Janez; Anderson, A.; Westende, Jos M.C.van't; Pandula, Zoltan; Ruprecht, A. 2012

https://www.researchgate.net/publication/254810149_Experimental_study_of_filling_and_emptying_of_a_large-scale_pipeline

Gas-solid particle mixture in vertical duct by RANS approach

Kartušinski, Aleksander; Michaelides, S.E.; Pihlak, Uku Chemical and process engineering 2005 / 3, p. 413-426

https://www.researchgate.net/publication/290058444_Gas-solid_particle_mixture_in_vertical_duct_by_RANS_approach

Grid-generated turbulence in two-phase flow : the effect of parameters of the carrier medium and particles

Kartušinski, Aleksander; Rudi, Ülo; Tisler, Sergei; Hussainov, Medhat; Štšeglov, Igor High temperature 2009 / 2, p. 272-278

<https://link.springer.com/article/10.1134/S0018151X09020187>

Modelling of a two-phase vortex-ring flow using an analytical solution for the carrier phase

Rybdylova, O.; Sazhin, S.S.; Osipov, A.N.; Kaplanski, Felix; Begg, S.; Heikal, M. Applied mathematics and computation 2018 / 11

p. : ill <https://doi.org/10.1016/j.amc.2017.12.044> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Non-isothermal turbulent jet flow through static particulate media

Rebassa, Josep Hueso; Kartušinski, Aleksander; Krupenski, Igor; Siirde, Andres Advances in heat transfer : proceedings of the 7th Baltic Heat Transfer Conference : Tallinn, Estonia, August 24-26, 2015 2015 / p. 67-72 : ill

Numerical simulation of two-phase turbulent flows in ash circulating fluidized bed = Turbulentsete kahefaasiliste voolude matemaatilise modelleerimine tuha tsirkuleerivas keevkihis

Krupenski, Igor 2010 https://www.ester.ee/record=b2595716*est

Numerical simulation of two-phase turbulent flows of ash circulating in fluidized bed

Krupenski, Igor Oil shale 2011 / 1S, p. 262 https://artiklid.elnet.ee/record=b2286682*est

Water-column mass losses during the emptying of a large-scale pipeline by pressurized air

Laanearu, Janek; Hou, Qingzhi; Annus, Ivar; Tijsseling, Arris S. Proceedings of the Estonian Academy of Sciences 2015 / p. 8-16 :

ill https://artiklid.elnet.ee/record=b2717477*est <https://doi.org/10.3176/proc.2015.1.02> Journal metrics at Scopus Article at Scopus Article at WOS Article at WOS

Двухфазное пленочное кольцевое течение

Treimann, Aksel I республиканская конференция молодых ученых-химиков, 20-22 мая 1975 года : тезисы докладов 1975 / с.

182 https://www.ester.ee/record=b1309964*est

Исследование процессов обмена при пневматическом диспергировании и последующем течении двухфазного потока

Tint, Piia I республиканская конференция молодых ученых-химиков, 20-22 мая 1975 года : тезисы докладов 1975 / с. 181

https://www.ester.ee/record=b1309964*est