

An experimental study of the grid-generated turbulence in a two-phase flow - the control of the velocity slip [Electronic resource]

Hussainov, Medhat; Kartušinski, Aleksander; Štšeglov, Igor; Stock, D.E.; Tisler, Sergei Proceedings of the 11 Workshop on Two-Phase Flow Predictions : 2005, Merseburg, Germany 2005 / [12] p. [CD-ROM]

Application of particle tracking velocimetry for studying the dispersion of particles in a turbulent gas flow

Kartušinski, Aleksander; Rudi, Ülo; Tisler, Sergei; Hussainov, Medhat; Štšeglov, Igor High temperature 2012 / p. 381-390 : ill <https://link.springer.com/article/10.1134/S0018151X12030133>

Deposition of fine solid particles in laminar flat-plate boundary layers [Electronic resource]

Hussainov, Medhat; Kartušinski, Aleksander; Michaelides, Efsthios; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei Proceedings of FEDSM2007 : 5th joint ASME/JSME Fluids Engineering Conference, San Diego, California, USA, July 30 - August 2, 2007 2007 / [7] p. [CD-ROM] <https://asmedigitalcollection.asme.org/FEDSM/proceedings-abstract/FEDSM2007/42886/911/327596?redirectedFrom=PDF>

Deposition of solid particle in laminar boundary layer on a flat plate

Kartušinski, Aleksander; Krupenski, Igor; Tisler, Sergei; Hussainov, Medhat; Štšeglov, Igor High temperature 2009 / 6, p. 892-901 <https://link.springer.com/article/10.1134/S0018151X09060170>

Deposition of solid particles at streamlined surface in turbulent flow

Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei; Hussainov, Medhat 7th International Conference on Multiphase Flow : ICMF 2010 : Tampa, FL USA, May 30-June 4, 2010 2010 / [8] p. : ill

Deposition of solid particles at streamlined surface in turbulent flow

Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei; Hussainov, Medhat Dynamics of non-spherical particles in fluid turbulence, Udine Italy, 2011, April 6-8 2011 / [1] p

Deposition of solid particles in laminar flat-plate boundary layer [Electronic resource]

Hussainov, Medhat; Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei 6th International Conference on Multiphase Flow : ICMF2007 : Leipzig, Germany, July 9-13 2007 / [8] p. [CD-ROM]

Dispersion of solid particles in grid-generated turbulent flow

Hussainov, Medhat; Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei ANSYS Workshop "Multiphase Flows - Simulation, Experiment and Application" : 24-26 June 2008, Dresden, Germany 2008 / ? p

Estimation of the deposition of fine solid particles in a laminar flat-plate boundary layer

Hussainov, Medhat; Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei UK-Israel Workshop "Sprays : Modelling versus Experimentation" : Brighton, UK, July 16-18, 2007 2007 / ? p

Eulerian-Eulerian RSTM-PDF modeling of turbulent particulate flow

Kartušinski, Aleksander; Michaelides, Efsthios E.; Hussainov, Medhat; Štšeglov, Igor; Akhmadullin, Ildar Mathematics 2023 / art. 2647, 15 p. : ill <https://doi.org/10.3390/math11122647> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental study of the effect of velocity slip and mass loading on the modification of grid-generated turbulence in gas-solid particles flows

Hussainov, Medhat; Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei Proceedings of the Estonian Academy of Sciences. Engineering 2005 / 2, p. 169-180 : ill https://artiklid.elnet.ee/record=b1017959*est

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>

Numerical modeling of a two-dimensional vertical turbulent two-phase jet

Kartušinski, Aleksander; Michaelides, Efsthios; Rudi, Ülo; Tisler, Sergei; Štšeglov, Igor Fluid dynamics 2012 / p. 769-777 : ill <https://link.springer.com/article/10.1134/S0015462812060099>

Numerical simulation of grid-generated turbulent particulate flow by three-dimensional Reynolds stress

Kartušinski, Aleksander; Rudi, Ülo; Stock, David; Hussainov, Medhat; Štšeglov, Igor; Tisler, Sergei; Šablinski, Aleksandr Proceedings of the Estonian Academy of Sciences 2013 / p. 161-174 : ill <https://doi.org/10.3176/proc.2013.3.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical simulation of three-dimensional gas-solid particle flow in a horizontal pipe

Kartušinski, Aleksander; Michaelides, Efsthios; Rudi, Ülo; Tisler, Sergei; Štšeglov, Igor AIChE journal 2011 / p. 2977-2988 : ill

Numerical simulation of uprising gas-solid particle flow in circulating fluidised bed

Kartušinski, Aleksander; Martins, Ants; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei; Krupenski, Igor; Siirde, Andres Oil shale

Numerical simulation of upward particulate pipe flows at constant Re

Kartušinski, Aleksander; Rudi, Ülo; Tisler, Sergei; Štšeglov, Igor; Šablinski, Aleksandr Proceedings of the 8th International Conference on Multiphase Flow (ICMF 2013) : Jeju, Korea, May 26-31, 2013 2013 / p. 1-7 : ill

Numerical study of upward particulate pipe flows at a constant Reynolds number

Kartušinski, Aleksander; Rudi, Ülo; Tisler, Sergei; Štšeglov, Igor; Šablinski, Aleksandr Proceedings of the Estonian Academy of Sciences 2013 / p. 97-108 : ill <https://doi.org/10.3176/proc.2013.2.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Particles deposition at horizontal flat plate in turbulent particulate flow

Kartušinski, Aleksander; Hussainov, Medhat; Michaelides, Efsthathios; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei; Krupenski, Igor The Canadian journal of chemical engineering 2014 / p. 1-12 : ill <https://doi.org/10.1002/cjce.21923> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

RANS numerical simulation of turbulent particulate pipe flow for fixed Reynolds number

Kartušinski, Aleksander; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei; Krupenski, Igor Computational and numerical simulations 2014 / p. 21-40 : ill

RSTM numerical simulation of channel particulate flow with rough wall

Kartušinski, Aleksander; Rudi, Ülo; Hussainov, Medhat; Štšeglov, Igor; Tisler, Sergei; Krupenski, Igor; Stock, David Computational and numerical simulations 2014 / p. 41-63 : ill

3D RSTM and PDF modeling for turbulent particulate channel flows

Kartušinski, Aleksander; Hussainov, Medhat; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei Smart and Green Interfaces : COST Action MP 1106 - Annual meeting and 5th International Conference on Heat Transfer and Fluid Flow in Microscale Joint Conference : 22-24 April 2014, Campus St. Charles, Marseille, France : book of abstracts 2014 / p. O-39

3D RSTM modeling for particulate grid-generated turbulent and shear flows [Electronic resource]

Kartušinski, Aleksander; Hussainov, Medhat; Štšeglov, Igor; Tisler, Sergei; Kosinski, Pawel; Balakin, Boris V.; Lauk, Peep; Seegel, Karl-Erik 9th International Conference on Multiphase Flow : ICMF 2016 : May 22-27 2016, Firenze, Italy : proceedings 2016 / [CD-ROM]

Two-fluid RANS-RSTM-PDF model for turbulent particulate flows

Lauk, Peep; Kartušinski, Aleksander; Hussainov, Medhat; Polonsky, Andrei; Rudi, Ülo; Štšeglov, Igor; Tisler, Sergei; Seegel, Karl-Erik Numerical simulation : from brain imaging to turbulent flows 2016 / p. 339-363 : ill <http://dx.doi.org/10.5772/63338>

Осаждение твердых частиц в ламинарном пограничном слое на плоской пластине

Hussainov, Medhat; Kartušinski, Aleksander; Krupenski, Igor; Tisler, Sergei; Štšeglov, Igor Теплофизика высоких температур 2009 / 6, с. 927-936

Осаждение твердых частиц на обтекаемую поверхность в турбулентном потоке

Kartušinski, Aleksander; Rudi, Ülo; Tisler, Sergei; Hussainov, Medhat; Štšeglov, Igor Всероссийская конференция «XXIX Сибирский теплофизический семинар» : Новосибирск, 15 – 17 ноября 2010 г. : тезисы докладов 2010

Применение цифровой трассерной визуализации для исследования дисперсии частиц в турбулентном газовом потоке

Kartušinski, Aleksander; Rudi, Ülo; Tisler, Sergei; Hussainov, Medhat; Štšeglov, Igor Теплофизика высоких температур 2012 / с. 408-417: ил

Сеточная турбулентность в двухфазном потоке : влияние параметров несущей среды и частиц

Kartušinski, Aleksander; Rudi, Ülo; Tisler, Sergei; Hussainov, Medhat; Štšeglov, Igor Теплофизика высоких температур 2009 / 2, с. 292-298

Численное моделирование вертикальной двухфазной турбулентной струи

Kartušinski, Aleksander; Michaelides, Efsthathios; Rudi, Ülo; Tisler, Sergei; Štšeglov, Igor Всероссийская конференция «XXIX Сибирский теплофизический семинар» : Новосибирск, 15 – 17 ноября 2010 г. : тезисы докладов 2010 / с. 102-103

Численное моделирование двумерной вертикальной двухфазной турбулентной струи

Kartušinski, Aleksander; Michaelides, Efsthathios; Rudi, Ülo; Tisler, Sergei; Štšeglov, Igor Известия РАН : механика жидкости и газа 2012 / с. 115-125 : ил

Численное моделирование трехмерного потока "газ-твердые частицы" в горизонтальной трубе

Kartušinski, Aleksander; Martins, Ants; Michaelides, Efsthathios; Rudi, Ülo; Tisler, Sergei; Štšeglov, Igor Всероссийская конференция «XXIX Сибирский теплофизический семинар» : Новосибирск, 15 – 17 ноября 2010 г. : тезисы докладов 2010 / с.

