



دانشگاه صنعتی امیرکبیر
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ایمان فرح بخش

استادیار

دانشکده مهندسی دریا

گروه آموزشی مهندسی هیدرومکانیک و سیستم های

رانش



کتاب

نسخه	تاریخ انتشار	کشور ناشر	نگارندگان/مترجمان	عنوان	#
داده های ثبت شده در پورتال					
1	1399	United States	ایمان فرح بخش	Krylov Subspace Methods with Application in Incompressible Fluid Flow Solvers	1
سایر داده ها					
1	2020	John Wiley & Sons	Iman Farahbakhsh	Krylov Subspace Methods with Application in Incompressible Fluid Flow Solvers	1

مقالات ژورنال

داده های ثبت شده در پورتال

1 Iman Farahbakhsh, Benyamin Baraninia,, "A bibliometric analysis on friction stir welding", *China Welding (English Edition)*, Vol. 30, Num. 3, Page 39-48, October 2021,

سایر داده ها

1 I. Farahbakhsh, H. S. Dou, "Derivation of energy gradient function for Rayleigh-Taylor instability", *Fluid Dynamics Research*, Vol. 50, Num. 4, Page 045509, 2018,

- 2 I. Farahbakhsh, H. Ghassemi and F. Sabetghadam, "A vorticity based approach to handle the fluid-structure interaction problems", *Fluid Dynamics Research*, Vol. 48, Num. 1, Page 015509, 2016,
- 3 I. Farahbakhsh, H. Ghassemi, F. Sabetghadam, "An immersed boundary method based on the kinematic relation of the velocity-vorticity formulation", *Journal of Mechanics*, Vol. 31, Num. 2, Page 171, 2015,
- 4 I. Farahbakhsh, H. Ghassemi and F. Sabetghadam, "A One-Continuum Approach for Mutual Interaction of Fluids and Structures", *Journal of Mechanics*, Vol. 31, Num. 6, Page 745, 2015,
- 5 I. Farahbakhsh, S. S. Nourazar, H. Ghassemi, H. S. Dou, A. Nazari-Golshan, "On the instability of plane Poiseuille flow of two immiscible fluids using the energy gradient theory", *Journal of Mechanics*, Vol. 30, Num. 3, Page 299, 2014,
- 6 I. Farahbakhsh, A. Paknejad, H. Ghassemi, "Numerical simulation of 2-D laminar flow subjected to the Lorentz force effect in a channel with backward-facing step", *Journal of Mechanical Science and Technology*, Vol. 26, Num. 10, Page 3111, 2012,
- 7 I. Farahbakhsh, H. Ghassemi, "Numerical investigation of the Lorentz force effect on the vortex transfiguration in a two-dimensional lid-driven cavity", *Proc. IMechE Part C: J. Mechanical Engineering Science*, Vol. 224, Num. , Page 1217, 2010,

مقالات کنفرانس

سایر داده ها

- 1 I. Farahbakhsh, F. Sabetghadam, H. Ghassemi, A. Mostofizadeh, "Storage Schemes Effect on the CPU-Time of the Krylov Subspace Methods in Solving the Linear Systems Arising from CFD", 14th Conference On Fluid Dynamics, 2012
- 2 F. Sabetghadam, I. Farahbakhsh, A. Mostofizadeh and S. S. Taheri, "Applying the Krylov Subspace Methods to Immersed Boundary Solution of Fluid Incompressible Flow", 10th Iranian Aerospace Society Conference, 2011

دروس ارائه شده

#	عنوان درس	توصیف درس	دوره سرفصل ها	درسی
1	Application of Computers and Robots in the Welding Industry	The welding industry is one of the dynamic industries that have undergone high evolution because of the latest developments in technology. The technological developments have consistently enhanced the quality, adaptability and the accuracy of the who		Spring 2022
2	Finite Element Methods in Welding	This course attempts to explain the basic concepts of the finite element method in order to facilitate the application of these concepts in the engineering software utilizing this method.		Fall 2021
3	Application of Computers and Robots in the Welding Industry	The welding industry is one of the dynamic industries that have undergone high evolution because of the latest developments in technology. The technological developments have consistently enhanced the quality, adaptability and the accuracy of the who		Spring 2021

اختراعات/ ثبت پتنت

عنوان اختراع شماره ثبت کشور ثبت کننده همکاران تاریخ ثبت تاریخ انقضا

داده های ثبت شده در پورتال

