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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Time filtered second order backward Euler method for EMAC formulation of Navier-Stokes equations**
DEMİR M., Çıbık A., KAYA MERDAN S.
Journal of Mathematical Analysis and Applications, vol.516, no.2, 2022 (SCI-Expanded)
- II. **Fabrication of CdSexTe1-x thin films by sequential growth using double sources**
Demir M., Gullu H., Terlemezoglu M., Parlak M.
Physica B: Condensed Matter, vol.619, 2021 (SCI-Expanded)
- III. **An analysis of a linearly extrapolated BDF2 subgrid artificial viscosity method for incompressible flows**
DEMİR M., Kaya S.
Applied Numerical Mathematics, vol.156, pp.140-157, 2020 (SCI-Expanded)
- IV. **A family of second order time stepping methods for the Darcy-Brinkman equations**
Cıbık A., DEMİR M., KAYA MERDAN S.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.472, no.1, pp.148-175, 2019 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **A Numerical Study of a Modular Sparse Grad-Div Stabilization Method for Boussinesq Equations**
DEMİR M., KAYA MERDAN S.
8th International Conference on Mathematical Modeling in Physical Science, 26 - 29 August 2019, vol.2019, pp.1-4
- II. **Numerical Investigation of the Boussinesq equations through a Subgrid Artificial Viscosity Method**
DEMİR M., KAYA MERDAN S.
The European Conference on Numerical Mathematics and Advanced Applications (ENUMATH 2019), Egmond aan Zee, Netherlands, 30 September - 04 October 2019
- III. **A Numerical Study of Second Order Time Stepping Methods for the Boussinesq Equations**
DEMİR M., ÇIBİK A. B., KAYA MERDAN S.
BEYOND: Workshop on Computational Science and Engineering, Turkey, 20 - 21 October 2018
- IV. **Numerical analysis of a Family of Second Order Time Stepping Methods for Boussinesq Equations**
ÇIBİK A. B., DEMİR M., KAYA MERDAN S.
World Congress on Engineering 2018,, 4 - 06 July 2018, vol.1, pp.56-59
- V. **Doşal Konveksiyon Problemleri için ikinciMertebeden Zaman Admlamas YöntemleriAilesinin Saysal**

Analizi

DEMİR M., ÇIBİK A. B., KAYA MERDAN S.

13. Ankara Matematik Günleri, Turkey, 27 - 28 May 2018

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