



## **Research Papers**

### **Fractional dynamics of charged particles in magnetic fields**

*A. Coronel-Escamilla, J. F. Gómez-Aguilar, E. Alvarado-Méndez, G. V. Guerrero-Ramírez, R. F. Escobar-Jiménez*

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### **The optimal community detection of software based on complex networks**

*Guoyan Huang, Peng Zhang, Bing Zhang, Tengting Yin, Jiadong Ren*

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*Weiwei Yan, Xingli Liu, Jie Wu, Yikun Wei, Peng Xu*

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*Shahed Vahedi, Mohd Salmi Md Noorani*

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*Abed Zadehgo, Mahmud Ashrafizaadeh*

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### **A study of epidemic spreading on activity-driven networks**

*Yijiang Zou, Weibing Deng, Wei Li, Xu Cai*

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*G. A. Frank, C. O. Dorso*

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*Jiaocan Wu, Ruping Du, Yingying Zheng, Dong Liu*

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*Xue-Jun Zhang, Bo Gu, Xiang-Min Guan, Yan-Bo Zhu, Ren-Li Lv*

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*R. Bustos-Guajardo, Cristian F. Moukarzel*

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**Computational fluid dynamics for modeling the turbulent natural convection in a double air-channel solar chimney system**

*I. Zavala-Guillén, J. Xamán, G. Álvarez, J. Arce, I. Hernández-Pérez, M. Gijón-Rivera*

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**Network immunization under limited budget using graph spectra**

*R. Zahedi, M. Khansari*

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