

Articole în reviste din RM - [7](#). Publicații la conferințe din RM - [2](#). Publicații peste hotare - [10](#).
Publicații indexate în SCOPUS - [11](#). Teze/Rezumate în culegeri - [10](#).

2018 - 1

Theory of high-temperature superconductivity in a two-layer system: FeSe/SrTiO₃

Palistrant Maria, Digor Dumitru, Palistrant Serghei

Institute of Applied Physics

Moldavian Journal of the Physical Sciences

Nr. 1-2(17) / 2018 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 31 January, 2019. Descarcări-71. Vizualizări-832

2017 - 2

A two-dimensional electron-hole system in terms of the Chern-Simons theory: slowly varying field operators

Moskalenko Sveatoslav, Moskalenko Vsevolod, Digor Dumitru, Lelyakov Igor

Institute of Applied Physics, Academy of Sciences of Moldova

Moldavian Journal of the Physical Sciences

Nr. 3-4(16) / 2017 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 31 January, 2019. Descarcări-1. Vizualizări-756

К теории высокотемпературной сверхпроводимости в двухслойных системах FeSe/STO

Palistrant Maria, Digor Dumitru, Палистрант С.

Институт прикладной физики АНМ

Microelectronics and Computer Science

// ISSN -

Disponibil online 31 October, 2017. Descarcări-7. Vizualizări-649

2016 - 3

Investigation of the generalized Anderson impurity model

Moskalenko Vsevolod¹², Dohotaru Leonid³, Digor Dumitru¹, Cebotari Irina¹

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IFMBE Proceedings 3rd International Conference on Nanotechnologies and Biomedical Engineering, ICNBME 2015

Nr. 1 / 2009 / ISSN 1857-0437

Disponibil online 9 December, 2022. Descarcări-0. Vizualizări-255

Two impurities model of strongly correlated electron systems

Moskalenko Vsevolod¹², Dohotaru Leonid³, Digor Dumitru¹, Cebotari Irina¹

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Materials Science and Condensed Matter Physics

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 19 July, 2019. Descarcări-0. Vizualizări-631

Two particle irreducible green's function of strongly correlated electron systems

Moskalenko Vsevolod¹², Dohotaru Leonid³, Digor Dumitru¹, Cebotari Irina¹

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Materials Science and Condensed Matter Physics

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Disponibil online 18 July, 2019. Descarcări-0. Vizualizări-561

2015 - 3

Investigation of the generalized Anderson impurity model

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Nanotechnologies and Biomedical Engineering

Nr. 1(307) / 2009 / ISSN 1857-064X

Disponibil online 10 April, 2019. Descarcări-0. Vizualizări-658

The theory of nonequilibrium anderson impurity model for strongly correlated electron systems

Moskalenko Vsevolod¹², Dohotaru Leonid¹³, Digor Dumitru¹

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Low Temperature Physics

Vol. 41, / 2015 / ISSN 1063-777X

Disponibil online 25 August, 2023. Descarcări-0. Vizualizări-93

The theory of nonequilibrium Anderson impurity model for strongly correlated electron systems

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Fizika Nizkikh Temperatur

Vol. 41, / 2015 / ISSN 0132-6414 / ISSN_e 1816-0328

Disponibil online 16 November, 2023. Descarcări-0. Vizualizări-110

2014 - 3

Diagrammatic approach for nonequilibrium Anderson impurity model

Moskalenko Vsevolod¹², Dohotaru Leonid³, Digor Dumitru¹

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Materials Science and Condensed Matter Physics

Nr. 3(21) / 2005 / ISSN 1810-9551

Disponibil online 25 February, 2019. Descarcări-1. Vizualizări-682

Dynamics of the phonon clouds for anderson-holstein model

Moskalenko Vsevolod¹², Dohotaru Leonid³, Digor Dumitru¹, Cebotari Irina¹

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Materials Science and Condensed Matter Physics

Nr. 3(21) / 2005 / ISSN 1810-9551

Disponibil online 25 February, 2019. Descarcări-1. Vizualizări-781

Strong coupling diagrammatic approach to the Anderson-Holstein hamiltonian

Moskalenko Vsevolod¹², Dohotaru Leonid³, Digor Dumitru¹, Cebotari Irina¹

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Proceedings of the Romanian Academy Series A - Mathematics Physics Technical Sciences Information Science

Vol. 15, / 2014 / ISSN 1454-9069

Disponibil online 12 January, 2024. Descarcări-0. Vizualizări-102

2013 - 2

Diagrammatic approach for the twofold degenerate Anderson impurity model

Moskalenko Vsevolod¹², Dohotaru Leonid³, Digor Dumitru¹, Cebotari Irina¹

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Moldavian Journal of the Physical Sciences

Nr. 3-4(12) / 2013 / ISSN 1810-648X / ISSNe 2537-6365

Disponibil online 19 March, 2014. Descarcări-2. Vizualizări-946

Superconducting state in the twofold degenerate Anderson impurity model

Moskalenko Vsevolod¹², Dohotaru Leonid¹³, Digor Dumitru¹, Cebotari Irina¹

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Nanotechnologies and Biomedical Engineering

2012 - 4

Diagrammatic theory for twofold degenerate Anderson impurity model

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Materials Science and Condensed Matter Physics

Nr. 2(17) / 2006 / ISSN 1810-1852 / ISSN_e 1810-1879

Disponibil online 5 March, 2020. Descarcări-0. Vizualizări-619

Evolution of the chemical potential of the local two-orbital degenerate Hubbard model with filling

Digor Dumitru

Institute of Applied Physics

Materials Science and Condensed Matter Physics

Nr. 2(17) / 2006 / ISSN 1810-1852 / ISSN_e 1810-1879

Disponibil online 5 March, 2020. Descarcări-2. Vizualizări-507

Stationary property of the thermodynamic potential of the Hubbard model in strong coupling diagrammatic approach for superconducting state

Moskalenko Vsevolod¹², Dohotaru Leonid³, Digor Dumitru¹, Cebotari Irina¹

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Low Temperature Physics

Vol. 38, / 2012 / ISSN 1063-777X

Disponibil online 25 August, 2023. Descarcări-0. Vizualizări-148

Stationary property of the thermodynamic potential of the Hubbard model in strong coupling diagrammatic approach for superconducting state

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Disponibil online 16 November, 2023. Descarcări-0. Vizualizări-111

2010 - 2

Effect of anisotropy on the logarithmic singularities in the electronic density of states in layered systems

Digor Dumitru, Palistrant Maria

Institute of Applied Physics, Academy of Sciences of Moldova

Moldavian Journal of the Physical Sciences

Nr. 3-4(9) / 2010 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 19 November, 2013. Descarcări-1. Vizualizări-869

Spin-density-wave state in quasi-two-dimensional systems with energy spectrum anisotropy. Commensurate-incommensurate phase transition

Palistrant Maria, Digor Dumitru, Ursu Vasile

Institute of Applied Physics

Materials Science and Condensed Matter Physics

Nr. 16(29) / 2012 / ISSN 1857-0054

Disponibil online 14 April, 2021. Descarcări-0. Vizualizări-582

2008 - 1

Impurity induced increase in T_c of the superconductor

Digor Dumitru

Institute of Applied Physics, Academy of Sciences of Moldova

Moldavian Journal of the Physical Sciences

Nr. 3(7) / 2008 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 16 December, 2013. Descarcări-1. Vizualizări-837

2006 - 3

Diagrammatic approach for impurity Anderson model

Moskalenko Vsevolod¹², Dohotaru Leonid³, Entel Peter⁴, Digor Dumitru¹

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Materials Science and Condensed Matter Physics

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**Interaction of strongly correlated electrons and acoustical phonons **

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Low Temperature Physics

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Disponibil online 28 November, 2022. Descarcări-0. Vizualizări-222

Strong interaction of correlated electrons with acoustical phonons using the extended Hubbard-Holstein model

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Physical Review B - Condensed Matter and Materials Physics

Vol. 74, / 2006 / ISSN 1098-0121 / ISSN_e 1550-235X

Disponibil online 7 July, 2023. Descarcări-0. Vizualizări-166

2005 - 2

Electron - phonon interaction in strongly correlated systems. Acoustical phonon case

Digor Dumitru¹, Dohotaru Leonid², Entel Peter³, Moskalenko Vsevolod⁴¹, Vladimir Mihail²

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Moldavian Journal of the Physical Sciences

Nr. 4(4) / 2005 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 19 November, 2013. Descarcări-3. Vizualizări-1048

Spin density waves and superconductivity in strongly correlated electron systems

Digor Dumitru¹, Dohotaru Matei², Entel Peter³, Moskalenko Vsevolod⁴¹, Vladimir Mihail²

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Moldavian Journal of the Physical Sciences

Nr. 4(4) / 2005 / ISSN 1810-648X / ISSN_e 2537-6365

Disponibil online 4 December, 2013. Descarcări-3. Vizualizări-977

1999 - 2

Strong interaction of correlated electrons with phonons: A diagrammatic approach

Moskalenko Vsevolod¹², Entel Peter³, Digor Dumitru²

¹ Joint Institute of Nuclear Research,

² Institute of Applied Physics, Academy of Sciences of Moldova,

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Physical Review B - Condensed Matter and Materials Physics

Vol. 59, / 1999 / ISSN 1098-0121 / ISSN_e 1550-235X

Disponibil online 27 June, 2023. Descarcări-0. Vizualizări-167

Strongly correlated polarons

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Physica B: Condensed Matter

Vol. 259-261, / 1999 / ISSN - / ISSN_e 0921-4526

Disponibil online 27 June, 2024. Descarcări-0. Vizualizări-9

1997 - 1

Raman scattering in two-band superconductors

Kon L., Ciobanu Iacob, Digor Dumitru

Institute of Applied Physics, Academy of Sciences of Moldova

Journal of Physics Condensed Matter

Vol. 9, / 1997 / ISSN 0953-8984 / ISSNe 1361-648X

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