

<b>Faculty Name:</b>	<b>Dr. Orion Ciftja</b>	<b>Work Address:</b>	P.O. Box 519; MS 1060 Prairie View, TX 77446
<b>Position Title:</b>	Professor	Department of Physics	
<b>Office Location:</b>	New Science Building 330F		
<b>Office Phone:</b>	936-261-3137		
<b>Email Address:</b>	ogciftja@pvamu.edu		

<b>Education:</b>	<b>Degree and Area of Study</b>	<b>Institution Name</b>	<b>Degree Date</b>
	Ph.D. Physics	International School of Advanced Studies (SISSA/ISAS), Trieste, Italy	1997
	Master. Phil.	International School of Advanced Studies (SISSA/ISAS), Trieste, Italy	1995
	Diploma ICTP Degree	International Centre for Theoretical Physics (ICTP), Trieste, Italy	1994

  

<b>Teaching Experience</b>	<b>Position Title</b>	<b>Institution Name</b>	<b>Position Dates (Beginning and End)</b>
	Professor	Department of Physics, Prairie View A&M University, Prairie View, Texas 77446, USA	2013-present
	Associate Professor	Department of Physics, Prairie View A&M University, Prairie View, Texas 77446, USA	2008-2013
	Assistant Professor	Department of Physics, Prairie View A&M University, Prairie View, Texas 77446, USA	2002-2008
	Visiting Assistant Professor	Department of Physics, Texas A&M University, College Station, Texas 77843, USA	1999-2000
	Assistant Professor	Department of Physics, University of Tirana, Albania	1991-1993

**Professional Publications:**

**(From Jan 1, 2017 to Dec 31, 2018)**

1. O. Ciftja, *Classical Magnetism and an Integral Formula Involving Modified Bessel Functions*, **IJNSNS 19(3-4), 409 (2018)**. <https://doi.org/10.1515/ijnsns-2017-0193>
2. Z. Liu, O. Ciftja, X. Zhang, Y. Zhou, and H. Ian, *Vortical structures for nanomagnetic memory induced by dipole-dipole interaction in monolayer disks*, **Superlattices and Microstructures 117, 495 (2018)**. <https://doi.org/10.1016/j.spmi.2018.03.058>
3. O. Ciftja, *Emergence of liquid crystalline order in the lowest Landau level of a*

- quantum Hall system with internal anisotropy*, **AIP Advances** **8**, 055812 (2018). <https://doi.org/10.1063/1.5004988>
4. O. Ciftja and I. Berry, *Interaction energy of a pair of identical coplanar uniformly charged nanodisks*, **AIP Advances** **8**, 035209 (2018). <https://doi.org/10.1063/1.5025336>
  5. O. Ciftja, S. Rossel, S. Smith, and P. Thomas, *Results for the energy of a finite one-dimensional ionic crystal*, **Res. Phys.** **7**, 3696 (2017). <https://doi.org/10.1016/j.rinp.2017.09.033>
  6. J. Batle, O. Ciftja, S. Abdalla, M. Elhoseny, M. Alkhambashi, and A. Farouk, *Equilibrium charge distribution on a finite straight one-dimensional wire*, **Eur. J. Phys.** **38**, 055202 (2017). <https://doi.org/10.1088/1361-6404/aa78bb>
  7. J. Batle, O. Ciftja, A. Farouk, M. Alkhambashi, and S. Abdalla, *Pauli structures arising from confined particles interacting via a statistical potential*, **Annals of Physics** **384**, 11 (2017). <https://doi.org/10.1016/j.aop.2017.06.012>
  8. O. Ciftja, *A result for the Coulomb electrostatic energy of a uniformly charged disk*, **Res. Phys.** **7**, 1674 (2017). <http://dx.doi.org/10.1016/j.rinp.2017.04.036>
  9. Z. Liu and O. Ciftja, *A quantum simulation approach for a three-dimensional Ising spin model-Comparison to mean field theory*, **AIP Advances** **7**, 055103 (2017). DOI: 10.1063/1.4983212
  10. Z. Liu, O. Ciftja, and H. Ian, *Interplay of Dzyaloshinsky-Moriya and dipole-dipole interactions and their joint effects upon vortical structures on nanodisks*, **Physica E** **90**, 13-20 (2017). DOI: <http://doi.org/10.1016/j.physe.2017.03.002>
  11. O. Ciftja, V. Livingston, and E. Thomas, *Cyclotron motion of a charged particle with anisotropic mass*, **Am. J. Phys.** **85** (5), 359 (2017). [<http://dx.doi.org/10.1119/1.4975599>]
  12. O. Ciftja, *Anisotropic magnetoresistance and piezoelectric effect in GaAs Hall samples*, **Phys. Rev. B** **95**, 075410 (2017). DOI: <https://doi.org/10.1103/PhysRevB.95.075410>
  13. O. Ciftja, *Anisotropic electronic states in the fractional quantum Hall regime*, **AIP Advances** **7**, 055804 (2017). doi: <http://dx.doi.org/10.1063/1.4972854>
  14. J. Batle, O. Ciftja, M. Naseri, M. Ghoranneviss, K. Nagata, and T. Nakamura, *Coulomb self-energy integral of a uniformly charged d-cube: A physically-based method for approximating multiple integrals*, **J. Electrostat.** **85**, 52 (2017). <http://doi.org/10.1016/j.elstat.2016.12.008>
  15. J. Batle, O. Ciftja, M. Naseri, M. Ghoranneviss, A. Farouk, and M. Elhoseny, *Equilibrium and uniform charge distribution of a classical two-dimensional system of point charges with hard-wall confinement*, **Phys. Scr.** **92** 055801 (2017). <https://doi.org/10.1088/1402-4896/aa6630>

**Additional Trainings/Skills:**

Editorial Board Member of several peer-reviewed international journals

Member of American Physical Society

Reviewer/Referee for many peer-reviewed journals

Panel Reviewer for several organizations

Author/Editor of books

Principal Investigator of several internal and external grants