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Education:

- **University Diploma in Applied Mathematics, Application of computer facilities, Ivane Javakhishvili Tbilisi State University**
- **Ph.D, in Calculus mathematics (01.01.07), Ivane Javakhishvili Tbilisi State University**

Teaching Courses:

- **DISCRETE STRUCTURE (practicum)**
- **COMPUTER IMPLEMENTATION OF DISCRETE STRUCTURE PROBLEMS**
- **DISCRETE MATHEMATICS**
- **COMPUTER SKILLS HABITS**
- **ANALYTICAL PROGRAMMING SYSTEM MATLAB**
- **CALCULATION METHODS**
- **BASICS OF MATHEMATICAL MODELING (practicum)**

Research Interests

- **Investigation of problems of plane elasticity theory and plate bending for a domain with partially unknown boundary**
- **Investigation of contacted problems**
- **Investigation of optimal control problems**

Selected Publications

1. **Nugzar Shavlakadze, Nana Odishelidze, Francisco Criado-Aldeanueva. The contact problem for a piecewise-homogeneous orthotropic plate with a finite inclusion of variable cross-section. Mathematics and Mechanics of Solids, 1–8, (in print)© The**

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DOI: 10.1177/1081286516631160 mms.sagepub.com

2. N. Odishelidze, F. Criado-Aldeanueva, J.M. Sanchez. On the solution of a contact problem for a rhombus weakened with a full-strength hole. Scientia Iranica B: Mechanical Engineering (accepted)
<http://www.scientiairanica.com/en/Content/7/Journal%20Information>
3. N. Odishelidze, F. Criado-Aldeanueva, F. Criado, J.M. Sanchez. Stress concentration in an elastic square plate with a full-strength hole. Mathematics and Mechanics of solids Vol 21, Issue 5, p.552-561, 2016 Impact Factor:1.836
4. N.Odishelidze, F. Criado-Aldeanueva, F. Criado, J.M. Sanchez. A mixed problem of plane elasticity theory for a multiply connected domain with partially unknown boundary: the case of a rhombus. Zeitschrift für angewandte Mathematik und Physik, Volume 66, Issue 5, pp 2899-2907 2015 Impact Factor1.560
5. N. Odishelidze, F. Criado-Aldeanueva, F. Criado, J.M. Sanchez. General case of contact problems for a regular polygon weakened with full-strength hole. Zeitschrift für angewandte Mathematik und Physik , vol.66 , pp.1187-1206, 2015 Impact Factor1.560
6. Nana Odishelidze , Criado-Aldeanueva, and J.M. Sanchez. On the possibility of quantitative definition of knowledge. International Journal of General Systems, Vol. 44, Nos. 7–8, 766–777, 2015, Impact Factor 1.677
7. F. Criado-Aldeanueva ,F. Criado, N. Odisehlidze and J. M. Sanchez, Necessary and sufficient conditions of optimality for an optimal control problem with non-local boundary conditions and quadratic functional . OPTIMAL CONTROL APPLICATIONS AND METHODS, vol. 35, pp.231–252 , 2014 Factor de impacto 1.097
8. N. Odishelidze, F. Criado-Aldeanueva, J.M. Sanchez, Contact problem for regular hexagon weakened with full-strength hole. APPLIED MATHEMATICS AND MECHANICS- ENGLISH EDITION, 2013,vol.34, No.2, pp.239-248, 2013 Impact Factor 0.922
9. N. Odishelidze, F. Criado-Aldeanueva, J.M. Sanchez . A mixed problem of plate bending for a regular octagon weakened with a required full-strength hole. Acta Mechanica, 2013, vol. 224, No. 1, pp. 183-192, 2013 Impact Factor 1.694
10. N. Odishelidze, F. Criado-Aldeanueva, F. Criado, J. M. Sanchez. On one contact problem of plane elasticity for a doubly connected domain: application to a hexagon, Zeitschrift für Angewandte Mathematik und Physik, Vol. 64, No.1, pp. 193-200, 2013 Impact Factor 1.560
11. N. Odishelidze, F. Criado-Aldeanueva, J.M. Sanchez Contact problem for regular hexagon weakened with full-strength hole. Applied mathematics and mechanics- english edition, vol.34, No.2, pp.239-248, 2013 Impact Factor 0.922