DJURDJICA TAKAČI

CURRICULUM VITAE

July 1, 2009

Personal Data

- Date of birth: May 5, 1951
- Place of birth: Novi Sad, Yugoslavia
- Marital status: Married, one child
- Citizenship: Yugoslav

Languages

- Mother tongue: Serbian
- Active knowledge: English
- Reading knowledge of other Slavic languages and German

Education

B.S., Faculty of Science, Novi Sad, Yugoslavia, 1974.

M.S., Faculty of Science, Novi Sad, Yugoslavia, 1980.

Ph. D., Faculty of Science, Novi Sad, Yugoslavia, 1987.

Experience

Assistant, Faculty of Science, Novi Sad, Yugoslavia, 1977-1987.

Assistant Professor, Faculty of Science, Novi Sad, Yugoslavia, 1987-1992.

Associate Professor, Faculty of Science, Novi Sad, Yugoslavia, 1992-1997.

Full Professor, Faculty of Science, Novi Sad, Yugoslavia, since 1997.

Selected Publications

1. Takači, Dj., Takači, A., *On the approximate solution of mathematical model of a viscoelastic bar*, Nonlinear Analysis, 67, 2007, 1560-1569.
2. Takači, Dj., Takači, A., *On the mathematical model of a viscoelastic bar*, Math. Meth. Appl. Sci. 2007; 30:1685-1695.
3. Lj. Cvetković, Dj. Takači, *On matrices with operator entries,* Numerical Algorithms, Vol. 42, Nos 3-4, 2006, pp. 335-344.
4. Takači, Dj., Takači, A., *Euler method in the field of operators*, Numerical Functional Analysis and Optimization, Vol. 26, Nos. 7-8 , 2005, 911-924.

5. Takači, Dj., Takači, A., *The character of operational successive approximations*, Nonlinear Analysis, 61, 2005, 503-515.

6. Takači, Dj., Takači, A., *The approximate solution of nonlinear equations,* Publicationes Mathematicae Debrecen, Vol. 65, Fasc. 1-2 , 2004, 65-79.

7. Pap, E., Takači, Dj., Takači, A., *The g-operational calculus*, International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems,Vol.10, suppl. 2002,75-88.

8. Takači, Dj., *Nonlinear operator differential equation*, Nonlinear Analysis, Theory, Methods & Applications, Vol. 30, No. 1, 1997, 47-52.

9. Takači, Dj., Takači, A., *The factorization method in the field of Mikusinski operators,* Publicationes Mathematicae Debrecen, Vol. 50, Fasc. 3-4, 1997, 287-303.

10. Takači, Dj., Takači, A., *Construction of the solutions of difference equations in the field of Mikusinski operators*, Rocky Mountain Journal of Mathematics, Vol. 27, No. 4, 1997, 1245-1264.

11. Takači, Dj., Takači, A., *An algorithm for the approximate solution of operator difference equations*, Numerical Functional Analysis and Optimization, Vol. 17 (9&10), 1996, 991-1003.

12. Takači, Dj., Takači, A., *On operator solutions of difference equations*, Publ. de l' Institut Mathematique, Beograd, 59(73), 1996, 77-88.

13. Takači, Dj., Takači, A., *The character of the solution of difference equations in the field of Mikusinski operators*, Publicationes Mathematicae, Debrecen, Hungary, Vol. 45, 3-4, 1994, 379-394.

14. Takači, Dj., *The measure of approximation in the two dimensional operational field*, Rocky Mountain Journal of Mathematics, Ser. Mat., Vol. 23, No. 3, 1993, 1115-1122.

15. Pap E., Takači, Dj., *On linear differential equations in spaces of locally integrable functions and Mikusinski operators*, Math. Nachrichten, 1990, 197-208.

16. Takači, Dj., *The approximate solution of PDE II*, Zeitschrift für Angewandte Mathematik und Mechanik, Bd. 69, 1989, 150-152.

17. Takači, Dj., *The approximate solution of PDE*, Zeitschrift für Angewandte Mathematik und Mechanik, Bd. 66, 1986, 330-332.

Selected Books in Serbian

1. Takači, Dj., Takači, A., Radenović, S., *Opšta matematika*, Symbol, Novi Sad, 2004.

2. Takači, Dj., Takači, A., *Zbirka zadataka iz Analize I*, *prvi deo*, Symbol, Novi Sad 2004, sedmo izdanje (prvo izdanje 1990).

3. Takači, Dj., Radenović, S., *Matematika za inženjere*, Akademska misao, Beograd, 2002.

4. Hadžić, O., Takači, Dj., *Matematičke metode*, Univerzitet u Novom Sadu, Novi Sad 2000.

5. Hadžić, O., Takači, Dj., *Matematika*, Univerzitet u Novom Sadu. Novi Sad 1998.

6. Dj., Takači, A., *Diferencijalni i integralni račun*, Univerzitet u Novom Sadu i Stylos, Novi Sad 1997.

7. Takači, Dj., Takači, A., *Zbirka zadataka iz običnih diferencijalnih jednačina*, Institut za matematiku, Novi Sad 1992.

Books in English

1. Schmeelk, J., Takači, Dj., Takači, A., *Elementary Analysis through Examples and Exercises*, Kluwer Acadamic Publishers, Dordrecht, The Netherlands, 1995.

2. Takači, Dj., Takači, A., *Numerical methods for operator differential equations, Monographical Booklets PAMM*, Technical University of Budapest, 1997.

3. Pap, E., Takači, A., Takači, Dj., *Partial Differential Equations through Examples and Exercises*, Kluwer Acadamic Publishers, Dordrecht, The Netherlands, 1997.

Selected Publications in mathematical education

1. Takači Dj, Stojković R., Radovanovic J., *The influence of computer on examining trigonometric functions,* Teaching Mathematics and Computer Science, 6/1, 111-123, 2008, Debrecen, Hungary.

2. Takači, Đ., Herceg D., Stojković R., *Possibilities and limitati-ons of Scientific Workplace in studying trigonometric functions*, The Teaching of Mathematics, VIII_2 / 2006 стр. 61-72, Beograd.

3. Takači, Dj., Pešić, D., J. Tatar, *On the continuity of functions*, International Journal of Mathematical Education, Science and Technology, Taylor and Francis, Vol. 37, 7 (2006), 783-791.

4. Takači, Dj., Pešić, D., *The Continuity of Functions in Mathematical Education-Visualization method*, in Serbian, Nastava matematike (The Teaching of Mathematics), 49, 3-4, Beograd, 2004.

5. Takači, Dj., Pešić, D., Tatar, J., *An introduction to the Continuity of functions using Scientific Workplace*, The Teaching of Mathematics, Vol. VI, 2, Belgrade, 105-112, 2003.