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Образование

- 2008: доктор, ИМИ-БАН
- 1990: магистър специалност математика, СУ „ Св. Кл. Охридски“, ФМИ
- 1984: Математическа гимназия, гр. Варна

Научни интереси

- Теория на апроксимациите
- Функционален анализ
- Реален анализ

Преподавателска дейност

- Математически анализ
- Математика
- Приложна математика
- Моделиране и оптимизиране

Публикации

1. Т. Zapryanova, Approximation by Operators of Cao-Gonska type $G_{s,n}$ and $G_{s,n}^*$. Direct and Converse Theorem. Mathematics and Education in Mathematics **33**, 189-194 (2004).
2. Т. Zapryanova, [A characterization theorem for the K-functional associated with the algebraic version of trigonometric Jackson integrals](#). Serdica Math. J. **32** (2006), 303-322.

3. T. Zapryanova, Approximation by Operators of Cao-Gonska type $G_{s,n}^+$. Direct and Converse Theorem. Mathematics and Education in Mathematics **37**, 169-175 (2008). [\[PDF\] bas.bg](#)
4. Теодора Димова Запряннова, Автореферат по дисертационния труд на тема "Характеризация на приближенията с оператори от тип на Као-Гонска". Институт по математика и информатика – БАН, София, 2008.
5. Teodora Dimova Zapryanova, [A Characterization of the K-Functional for the Algebraic Version of the Trigonometric Jackson Integrals \$G_{s,n}\$ and the K-Functionals for Cao–Gonska Operators and](#), Result. Math. **54** (2009), 397-413.
6. Teodora D. Zapryanova, [Generalized characterization theorem for the K– functional associated with the algebraic version of trigonometric Jackson Integrals](#) Vol.20, 5 (2012), Special Issue, 159-180.
7. Teodora D. Zapryanova, [Saturation of Cao–Gonska operators \$\Lambda^*\$ and \$\Lambda^+\$](#) . Results. Math. **62** (2012), 445-457.
8. Teodora Zapryanova, Gancho Tachev, [Generalized Inverse Theorem for Schoenberg Operator](#). Journal of Modern Mathematics Frontier, Vol.1 Issu.2 2012, pp. 11-16.
9. Teodora Zapryanova, Gancho Tachev, [Approximation by the iterates of Bernstein operator](#). AIP Conf. Proc. 1497, 184-189 (2012).
10. Teodora Zapryanova, [A characterization of the K-functional for the algebraic version of the trigonometric Jackson integrals \$G_{s,n}\$ in weighted integral metric](#). AIP Conf. Proc.(2013)
11. Teodora Dimova Zapryanova, [Best Approximation and Moduli of Smoothness](#). Pliska Stud. Math. Bulgar. **21** (2012), 299-306.
12. Запряннова Т. Д., О наилучшем приближении функции в равномерной метрике алгебраическими многочленами и обобщенном модуле гладкости. Теория и практика современной науки, Институт стратегических исследований, Москва, 3-4 июля 2012 г., 26-33.
13. Teodora Zapryanova, On Approximation by Algebraic Polynomials in Weighted Integral Metric. Proceedings of the International Conference Nonlinear Difference and Differential Equations and their Applications, Russe, October 3-6, 2012, pp.93-103.
14. Т. Запряннова, (2013) За приближенията с алгебрични вариант на оператора на Джексън, модификациите на Као-Гонска и най-добрите алгебрични приближения. "Наука и икономика", Икономически университет – Варна.
15. Zapryanova T., [On Approximation by Algebraic Version of the Trigonometric Jackson Integrals in Weighted Integral Metric](#), Journal of Operators, 2013, 1-7.
16. Zapryanova T., Souroujon D. (2014) [One New Solution of a Functional Equation](#). Proceedings of International Conference on Application of Information and Communication Technology and Statistics in Economy and Education (ICAICTSEE) p. 451-456.
17. Zapryanova T., Souroujon D. (2015) [One Problem from Approximation Theory](#). Proceedings of International Conference on Application of Information and Communication Technology and Statistics in Economy and Education (ICAICTSEE) p. 431-436.
18. Zapryanova T., Souroujon D. (2015) [New Solution of a Problem from Group A of the NSOM, 2015 and One Famous Problem from Approximation Theory](#). Proceedings of International Conference on Application of Information and Communication Technology and Statistics in Economy and Education (ICAICTSEE) p. 476-484.
19. Zapryanova T., Souroujon D. (2016) [On the Iterates of Jackson Type Operator \$\{G_{s,n}\}\$](#) . Mediterranean Journal of Mathematics, Volume 13, Issue 6, pp 5053–5061.
20. Zapryanova T., Souroujon D. (2016) [On the iterates of Jackson type operator in Hilbert space](#). Biomath Communications, Vol.3.