

#106 of the associate professor of the department

List of works published by Tamar Kvatchadze

№	Title of scientific works	Publishing house, magazine (issue, year) or copyright certificate number	printed Ra-ba of the plate or pages	Last name of the co- author
1	On the numerical solution of the Dirichlet problem in the case of an unknown open boundary curve	Problems of Mechanics. International magazine, Tbilisi, 2005, p.101-105	5	Z.Kapanadze V.Chankotadze M.Kublashvili
2	Computer realization of the method of layered summation of deformation of the base of buildings and structures and determination of optimal parameters.	Stu- „A collection of works“ #3 (461), 2006, p. 9-14.	6	B.Gvasalia D.E.Kvatchadze
3	Modern methods of calculation of joint deformation of base and foundation.	„Construction“ 1(4), 2007, p. 88-95	8	B.Gvasalia D.E.Kvatchadze
4	Calculation of the base on the deformation taking into account the influence of neighboring buildings using the corner point method.	Stu- „A collection of works“ #3 (465), 2007, p. 11-18	8	
5	Determining the deformation of the base and foundation by layer summation and sequential approximation method.	„Construction“ 3(6), 2007, p. 43-47	5	G.Sarishvili

6	On the numerical solution of some problems of aerodynamics.	Collection of reports of the International Scientific Conference "Information Technologies in Management", Tbilisi, 2007. p. 168-172.	5	M.Kublashvili Z.Kapanadze V.Chankotadze
---	---	--	---	---

7	Numerical solutions of some flat crack problems with high order accuracy.	Stu- „A collection of works“ 1(467), 2008, p. 9-11	3	M.D.Kublashvili M.M.Kublashvili
8	About the numerical solution of the crack problem, when the crack has a smooth or partially smooth open circle shape.	„Construction“ #1(20), 2011, p. 41-44	4	
9	Numerical solution of the problem of aerodynamics using the method of singular integral equations.	„Construction“ #1(20), 2011, p. 54-57	4	M.M.Kublashvili
10	Calculation of base deformation by random acquisition method and determination of optimal parameters.	International scientific conference "Woman and XXI century", 2011 p. 104-107	4	
11	Determination of settlement of the foundation by the sequential approximation method and its application areas.	„Construction“ #1(28), 2013, p. 70-73	4	D.E.Kvatchadze
12	Selection of the optimal height of the structural construction according to the consumption of material.	Stu- „A collection of works“ 3(489), 2013, p. 9-12	4	B.Gvasalia
13	Optimal frame design.	Stu- „A collection of works“ #3(497), 2015, p. 93-101	9	B.Gvasalia D.Jankarashvili
14	On some questions of the accuracy of quadrature formulas for singular integrals.	Scientific Research Center “ZNANIE”, Collection of articles, X International Conference, Development of Science in the 21st Century - Kharkov, Ukraine, 2016 – p. 29-32	4	M.Kublashvili V.Chankotadze
15	Methods of optimization of building constructions.	Stu -Laboratory works, 2016 (171 pages)	171	B.Gvasalia
16	Determination of the optimal parameters of a cylindrical pole with an annular cross-section.	Stu- „collection of works“ #2(504), 2017, p. 130-140	11	B.Gvasalia

17	Numerical method of calculating the characteristics of the nonlinear feedback loop of the automatic control system.	Stu-„collection of works“ #4(510), 2018, p. 24-42	19	B.Gvasalia
18	Selection of parameters of the proportional-integral (PI) regulator from the condition of providing the maximum allowable deviation during the surge impact on the system.	Stu- „collection of works“ # 2(520), 2021, p. 106-114,	9	B.Gvasalia K.Odisharia
19	Calculation of optimal values of three-element spatial frame parameters according to material consumption.	Stu-„Construction“ - #2(66), 2023, p. 67-72	6	B.Gvasalia D.Jankarashvili
20	Optimization problems of some building constructions.	Stu- „A collection of works“ #4(530), 2023 p. 123-134	12	B.Gvasalia