

LIST OF PUBLICATIONS

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November 6, 2025

Peer-reviewed scientific articles

95. T. Gustafsson, R. Stenberg. Finite element methods for elastic contact: Penalty and Nitsche. *Journal of Structural Mechanics* **58** (2025) 33–45. <https://doi.org/10.23998/rm.152348>
94. P. L. Lederer and R. Stenberg. Analysis of weakly symmetric mixed finite element methods for elasticity. *Mathematics of Computation* **93** (2024) 523–550
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93. P. L. Lederer, R. Stenberg. Energy norm analysis of exactly symmetric mixed finite element methods for linear elasticity. *Mathematics of Computation* **92** (2023) 583–605.
<https://doi.org/10.1090/mcom/3784>
92. T. Gustafsson, R. Stenberg, J. Videman. Nitsche’s method for Kirchhoff plates. *SIAM Journal of Scientific Computing* **43** (2021) A1651–A1670
91. T. Gustafsson, R. Stenberg, J. Videman. The masters-slave Nitsche method for elastic contact problems. *Numerical Mathematics and Advanced Applications – ENUMATH 2019*. J.F. Vermolen, C. Vuik, M. Moller (Eds.). *Springer Lecture Notes in Computational Science and Engineering*. 889–908
90. T. Gustafsson, R. Stenberg, J. Videman. On Nitsche’s method for elastic contact problems *SIAM Journal of Scientific Computing* **42** (2020) B425–B446
89. F. Bertrand, D. Boffi, R. Stenberg. Asymptotically exact a posteriori error analysis for the mixed Laplace eigenvalue problem. *Computational Methods in Applied Mathematics* **20** (2020) 215–225.
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88. F. Bertrand, D. Boffi, R. Stenberg. A posteriori error analysis for the mixed Laplace eigenvalue problem: investigations for the BDM-element. *Proceedings in Applied Mathematics and Mechanics 2019*. DOI: 10.1002/pamm.201900155
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83. N. Lüthen, M. Juntunen, R. Stenberg. An improved error analysis of Nitsche’s method for Robin boundary conditions. *Numerische Mathematik* (2018) **138** 1011–1026.
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82. T. Gustafsson, K.R. Rajagopal, R. Stenberg, J. Videman. An adaptive finite element method for the inequality-constrained Reynolds equation. *Computer Methods in Applied Mechanics and Engineering* **336** (2018) 156–170

81. T. Gustafsson, R. Stenberg, J. Videman. Nitsche's method for the obstacle problem of clamped Kirchhoff plates. *Numerical Mathematics and Advanced Applications – ENUMATH 2017*. J. M. Nordbotten K. Kumar I. Berre A. F. Radu I. S. Pop (Eds.) *Springer Lecture Notes in Computational Science and Engineering*. 407–415
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78. D. Boffi, R. Stenberg. A remark on finite element methods for nearly incompressible elasticity. *Computers & Mathematics with Applications* **74** (2017) 2047–2055.
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