



Professor András Szekrényes

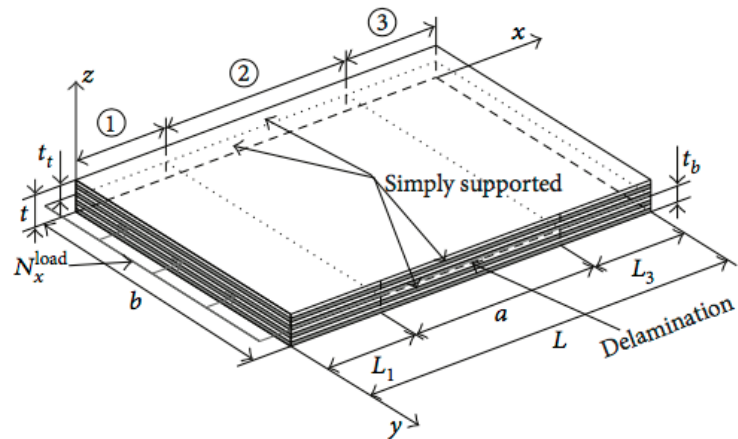


FIGURE 1: Simply supported layered plate with delamination subjected to uniaxial compression.

From: Zoltán Juhász and András Szekrényes, "Estimation of local delamination buckling in orthotropic composite plates using Kirchhoff plate finite elements," *Mathematical Problems in Engineering*, vol. 2015, Article ID 749607, 14 pages, 2015.

See:

<http://www.mm.bme.hu/~szeki/>

<https://scholar.google.com/citations?user=4Ham9eAAAAAJ&hl=en>

https://www.researchgate.net/scientific-contributions/25514803_Andras_Szekrenyes

Department of Applied Mechanics
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Education:

2002-2005 – Ph.D student at the Dept. of Applied Mechanics, Budapest University of Technology and Economics

1995-2000 – Regular student at the Faculty of Mechanical Engineering, Budapest University of Technology and Economics, Applied Mechanics and Fluid Mechanics branches

Career:

2012 - 2015 - Bolyai János Research Scholarship, Hungarian Academy of Sciences

2008 - 2011 - Bolyai János Research Scholarship, Hungarian Academy of Sciences

2011 - Associate Professor

2006 - 2011 - Assistant Professor

2006 - Assistant Lecturer, Post-doctoral Scholarship sponsored by the Ministry of Education (OM)

2005 - Ph.D degree in Mechanical Engineering

2000 -2002 – Research Assistant at the Dept. of Applied Mechanics, Budapest University of Technology and Economics

Selected Publications:

I. Moharos, I. Oldal, and A. Szekrényes, *Finite Element Method*, Typotex Publishing House, Budapest, Hungary, 2012.

Szekrenyes, A., Interlaminar Stresses and Energy Release Rates in Delaminated Orthotropic Composite Plates. *International Journal of Solids and Structures*, Volume 49, Pages 2460-2470. February 2012.

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Zoltan Juhasz and Andras Szekrenyes, “The effect of delamination on the critical buckling force of composite plates: Experiment and simulation”, *Composite Structures*, Vol. 168, pp 456-464, May 2017

T. Pölöskei and A. Szekrényes, “Quasi-periodic excitation in a delaminated composite beam,” *Composite Structures*, vol. 159, pp. 677–688, 2017.

Andras Szekrenyes, “The role of transverse stretching in the delamination fracture of softcore sandwich plates”, *Applied Mathematical Modelling*, Vol. 63, pp 611-632, November 2018

Tamas Poloskei and Andras Szekrenyes, “Dynamic Stability of a Structurally Damped Delaminated Beam Using Higher Order Theory”, *Mathematical Problems in Engineering*, Volume 2018, Article ID 2674813, 15 pages