

# Les bases scientifiques des tests de traction, bibliographie

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## **BIBLIOGRAPHIE**

**Baker, C.J., and H.J. Bell [1992]**, The aerodynamics of urban trees, *Journal of Wind Engineering and Industrial Aerodynamics* 41-4: 2655-66.

**Bond, J. [2006]**, Foundations of tree risk analysis: Use of the t/R ratio to evaluate trunk failure potential, *Arborist News*, International Society of Arboriculture, December issue: 31-4.

**Claire, B., M. Fournier, M. Franc, O. Prevost, J. Beauchene and S. Bardet [2003]**, Biomechanics of buttressed trees, *American Journal of Botany* 90[9]: 1349-56.

**Detter, A., E. Brudi and F. Bischoff [2005]**, Statics Integrated Methods: Results from Pulling Tests in Past Decades, Congress Barcelona, ISA Spain [Asociación Española de Arboricultura].

**Ennos, R., and A. van Casteren [2009]**, Transverse stresses and modes of failure in tree branches and other beams. *Proceedings of the Royal Society B*. 277: 1253-8.

**Gruber, F. [2008]**, Untenable failure criteria for trees: I. The residual wall thickness rule. *The Arboricultural Journal* 31: 1, 5-18, DOI: 10.1080/03071375.2008.9747514.

**Huang, Y.S., F.L. Hsu, C.M. Lee, and J.Y. Juang [2017]**, Failure mechanism of hollow tree trunks due to cross-sectional flattening. *R. Soc. open sci.* 4: 160972. <http://dx.doi.org/10.1098/rsos.160972>.

**James, K.R. [2010]**, A dynamic structural analysis of trees subject to wind loading. PhD thesis, Melbourne School of Land and Environments, The University of Melbourne.

**James, K.R., G.A. Dahle, J. Grabowsky, B. Kane and A. Detter [2014]**, Tree biomechanics literature review: dynamics, *Arboriculture & Urban Forestry* 40[1]: 1-15.

**Mattheck, C., K. Betghe and O. Kraft [2008]**, Are the failure criteria of SIA [Statics Integrated Assessment] and pulling tests wrong?, *Arboricultural Journal* 31: 181-8.

**Niklas, K.J., and H. Spatz [2010]**, Worldwide correlations of mechanical properties and green wood density, *American Journal of Botany* 97[10]: 1587-94.

**Peltola, H.M. [2006]**, Mechanical stability of trees under static loads, *American Journal of Botany* 93[10]: 1501-11.

**Spatz, H.C., and J. Pfisterer [2013]**, Mechanical properties of green wood and their relevance for tree risk assessment, *Arboriculture & Urban Forestry* 39[5]: 218-25.

**Sterken, P. [2005]**, A Guide for Tree-stability Analysis, second and expanded edition. ISBN 9090193774.

**Sterken, P. [2006]**, Prognosis of the development of decay and the fracture-safety of hollow trees, *Arboricultural Journal* 29:4: 245-67.

**Wagner, W.W. [1963]**, Judging Hazard from Native Trees in California Recreational Areas: A Guide for Professional Foresters, USFS Research Paper PSW-PI. 29 pp.

**Wessolly, L., and M. Erb [1998]**, *Handbuch der Baumstatik und Baumkontrolle*. Patzer Verlag, Berlin.

**Wessolly, L., and M. Erb [2014]**, *Handbuch der Baumstatik und Baumkontrolle*. Patzer Verlag, Berlin-Hannover. ISBN 978-3-87617-128-9.

**Wessolly, L., and M. Erb [2016]**, *Manual of Tree Statics and Tree Inspection [English edition]*, Patzer Verlag, Berlin-Hanover, Germany. ISBN 978-3-87617-143-2.