

## Professor F.P.J. Rimrott

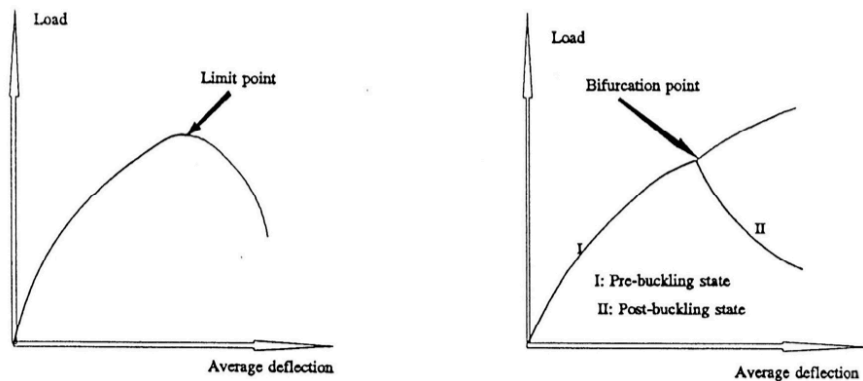
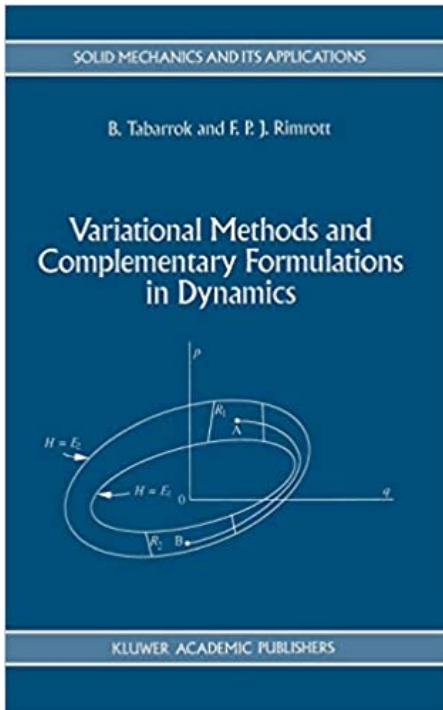


Figure 1. Load-deflection curves showing the two ways stability may be lost

**The right-hand image above is from:** B.H. Sun, K.Y. Yeh and F.P.J. Rimrott, “On the buckling of structures”, Technische Mechnik, Band 15, Heft 2. Pp 129-140, 1995

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See:

<https://www.researchgate.net/scientific-contributions/F-P-J-Rimrott-2004809862>

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### Selected Publications:

#### Books:

Proceedings 15th International Congress of Applied Mechanics, edited by Rimrott, F. P. J. and Tabarrok, B., sponsored by IUTAM, North Holland, August 1980

B. Tabarrok, F.P.J. Rimrott, Variational Methods and Complementary Formulations in Dynamics, Kluwer Academic Publishers, Dordrecht, 1994.

#### Journal Articles, etc.:

F.P.J. Rimrott. Storable tubular extensible member: a unique machine element. Machine Design, 37:156–163, 1965.

Rimrott, F. P. J., 1970, “Querschnittsverformung bei torsion offener profile,” Zeitschrift fur Angewandte Mathematik und Mechanik, 50(12), pp. 775–778.

F.P.J. Rimrott. Self-extension of an open section tube. In W. T. Koiter & G. K. Mikhailov, editors, Theory of Shells, 495–508. North-Holland Publishing Co. 1980

Rimrott, F.P.J. and Cvercko, M. (1986) Wrinkling in thin plates due to in-plane body forces. In: Inelastic Behaviour of Plates and Shells, (Edited by L. Bevilacqua, R. Feijoo and R. Valid), 19–48. Springer-Verlag.

F. P. J. Rimrott and X. J. Ma. Tension field theory and spacecraft solar panels. In Proceedings 8th Symposium on Engineering Applications of Mechanics, pages 193–201, Sherbrooke, 1986

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K. Y. Yeh, B. H. Sun, and F. P. J. Rimrott, “Buckling of imperfect sandwich cones under axial compression - equivalent-cylinder approach. Part I,” *Technische Mechanik*, vol. 14, no. 3/4, pp. 239–248, 1994.

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B.H. Sun, K.Y. Yeh and F.P.J. Rimrott, “On the buckling of structures”, *Technische Meckanik*, Vol. 15, No. 2. Pp 129-140, 1995

F.P.J. Rimrott and G. Fritsche. Fundamentals of stem mechanics. In S. Pellegrino and S.D. Guest, editors, *IUTAM-IASS Symposium on Deployable Structures: Theory and Applications*, pages 321–333, Cambridge, UK, 6-9 September 1998. Kluwer Academic Publishers.