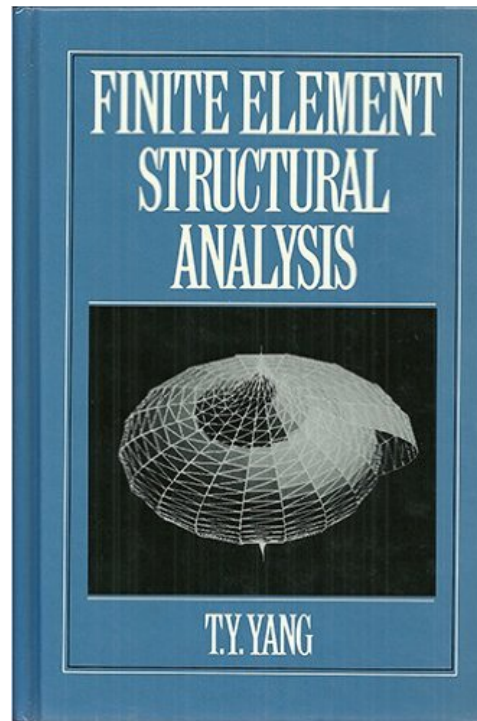




Professor Henry T. Y. Yang



Henry T. Y. Yang (T.Y. Yang), Finite Element Structural Analysis, Prentice-Hall, 1985, 500 pages

See:

https://en.wikipedia.org/wiki/Henry_T._Yang

<http://www.chiamonline.com/People/VZ/henryyang.htm>

<https://me.ucsb.edu/people/henry-t-yang>

<http://prabook.com/web/person-view.html?profileId=817192>

Biography (from <http://www.chiamonline.com/People/VZ/henryyang.htm>):

Dr. Yang was born on November 29, 1940 in Chungking, China. He received B.S., National Taiwan University (1962), M.S. in structures, West Virginia University (1965), and Ph.D. in structures, Cornell University (1968). Upon graduation from Cornell, he served as structures engineer, Gilbert Associates, Reading, Pennsylvania (1968-69) and visiting scientist, Air force Flight Dynamics Lab. Ohio (1976). In 1976, he joined the faculty of Purdue University and was appointed Dean, School of Engineering (1984-1994) and Neil A. Armstrong Distinguished Professor of Aeronautical and Astronautical Engineering (1988-1994). Dr. Yang was named University of California, Santa Barbara fifth chancellor in 1944. Dr. Yang is a member of the National Academy of Engineering and Academia Sinica. He has received many awards and honors for his research, teaching, and service, including the Benjamin Garver Lamme gold medal from the American Society of Science and Technology, and honorary doctorate from Purdue University (1996). His principal contributions include use of piezo-electric actuators for flutter control, development of shell finite elements, transonic aeroelasticity, study of neural networks for sensor fault detection and accommodation in buildings subject to seismic and wind excitation, sensing module development and hierarchical technology for civil and mechanical systems, and computational and experimental studies using indentation method to explore mechanical properties of materials, with special focus on nano-materials. Dr. Yang has authored or co-authored more than 160 articles for scientific journals, as well as widely used textbook on finite element structural analysis. He has served on several boards, including the Defense Science Board, USAF Scientific Advisory Board, NASA Aeronautical Advisory Board,

Naval Research Advisory Committee, University Research Associations, and others. He has received 12 best teaching awards and has completed the guidance of 49 Ph.D. and 18 M.S. theses. He teaches one or two undergraduate courses at USSB each year and, with research grants from the National Science Foundation and NASA, currently supports and guides three Ph.D. students.

Selected Publications:

Book:

Henry T. Y. Yang (T.Y. Yang), *Finite Element Structural Analysis*, Prentice-Hall, 1985, 500 pages

Journal Articles:

Richard H. Gallagher and Henry T.Y. Yang, "Elastic instability predictions for doubly-curved shells", Air Force Flight Dynamics Lab Report AFFDL-TR-68-150, 1968

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