

MOST OF THE PANDA2 REFERENCES:

- *[1] Bushnell, D.,
"PANDA2 - Program for minimum weight design of stiffened, composite, locally buckled panels", COMPUTERS AND STRUCTURES, Vol. 25, No. 4, pp 469-605, 1987

- *[2] Bushnell, D.,
"Theoretical basis of the PANDA computer program for preliminary design of stiffened panels under combined in-plane loads", COMPUTERS AND STRUCTURES, v. 27, No. 4, pp 541-563 (1987).

- *[3] Bushnell, D.,
"Optimization of composite, stiffened, imperfect panels under combined loads for service in the postbuckling regime", Computer Methods in Applied Mechanics and Engineering, Vol. 103 (1993) 43-114

- *[4] Bushnell, D. and Bushnell, W. D.,
"Approximate method for the optimum design of ring and stringer stiffened cylindrical panels and shells with local, inter-ring, and general buckling modal imperfections" Computers and Structures, Vol. 59, No. 3, pp 489-527 (1996)

- *[5] Bushnell, D.,
"Recent enhancements to PANDA2" AIAA Paper 96-1337-CP, Proc. AIAA 37th Structures, Structural Dynamics and Materials Conference, pp 126-182, April, 1996.

- *[6] Bushnell, D., Jiang, H., and Knight, N.F.,
"Additional buckling solutions in PANDA2", Proceedings 40th AIAA SDM Conference, AIAA Paper 99-1233, pp 302-345 April 1999

- * [7] Bushnell, D. and Rankin, C.C.,
"Optimization of perfect and imperfect ring and stringer stiffened cylindrical shells with PANDA2 and evaluation the optimum designs with STAGS", AIAA Paper 2002-1408, Proc. AIAA 43rd SDM Meeting, pp 1562-1613, April 2002

- [8] Bushnell, D. and Bushnell, W.D.,
"Minimum-weight design of a stiffened panel via PANDA2 and evaluation of the optimized panel via STAGS", Computers and Structures, Vol. 50, No. 4, pp 569-602 (1994)

[9] Bushnell, D. and Bushnell, W.D.,
"Optimum design of composite stiffened panels under combined loading", Computers and Structures, Vol. 55, pp 819-856 (1995)

* [10] Bushnell, D.,
"Optimum design via PANDA2 of composite sandwich panels with honeycomb or foam cores", AIAA Paper 97-1142, Proc. 38th AIAA Structures, Structural Dynamics and Materials Conference, pp 2163-2202, April, 1997

* [11] Bushnell, D., Rankin, C.C., and Riks, E.,
"Optimization of stiffened panels in which mode jumping is accounted for", AIAA Paper 97-1141, Proc. 38th AIAA SDM Conference, pp 2123-2162, April 1997

[12] Bushnell, D.,
"Global optimum design of externally pressurized isogrid stiffened cylindrical shells with added T-rings", Int. J. Non-Linear Mechanics, Vol. 37, Nos 4-5, pp 801-831 (2002)

[13] Bushnell, D.,
"Optimization of panels with riveted Z-shaped stiffeners via PANDA2", in Advances in the Mechanics of Plates and Shells, Durban, D, Givoli, D., and Simmonds, J.G., Eds, Kluwer Academic Publishers, pp 79-102 (2001)

[14] Bushnell, D.,
"Truss-core sandwich design via PANDA2", Computers and Structures, Vol. 44, No. 5, pp 1091-1119 (1992)

[15] Bushnell, D., Holmes, A.M.C., Flaggs, D.L., McCormick, P.J., "Optimum design, fabrication and test of graphite-epoxy curved, stiffened, locally buckled panels loaded in axial compression", in BUCKLING OF STRUCTURES, edited by I. Elishakoff, et al, Elsevier, Amsterdam, pp 61-131, 1988

*[16] Bushnell, D. and Rankin, C.C.,
"Optimum design of stiffened panels with substiffeners", AIAA Paper 1932, 46th AIAA Structures, Structural Dynamics and Materials Meeting, Austin, TX, April 2005

*[17] Bushnell, D. and Rankin, C.C.,
"Difficulties in optimization of imperfect stiffened cylindrical shells", AIAA Paper 1943, 47th AIAA Structures, Structural Dynamics and

Materials Meeting, Newport RI, April 2006

*[18] Bushnell, D.

"Optimization of an axially compressed ring and stringer stiffened cylindrical shell with a general buckling modal imperfection", AIAA Paper 2007-2216, 48th AIAA SDM Meeting, Honolulu, Hawaii, April 2007