Errata

Finite Difference Analysis of Rotationally Symmetric Shells Under Discontinuous Distributed Loadings

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THE following errors were made by the AIAA Editorial Department staff in the published paper:

Page 1611:

In the Abstract, the ninth line should read "...nodal point mesh which includes..."

Also in the Abstract, the first word in the sentence that begins on line 14 should be "The" not "To."

In the Nomenclature, the following corrections should be made:

C = coefficients of the force variables $N_{\phi n}$, $M_{\phi n}$, N_n, and Q_n in the finite-difference equations obtained before change of force variables

r = distance of any point on the middle surface of the shell from the axis of symmetry

Page 1613:

The fourth line in the right column should read "results in a 'finite-difference element' which ..."

The fifth line from the bottom in the right column should read "...derivatives which achieves compatibility..."

Page 1616:

Equation (30) should read

$$M_{\phi n} = D\Big(- w_{n,ss} - D_2 w_{n,s} + D_5 w_n + \frac{1}{R_\phi} u_{\phi n,s} + D_6 u_{\phi n} \pm D_7 u_{\theta n} - D_4 T_{1n} \Big)$$

On the tenth line after Eq. (35), S_N should be s_N. In that same paragraph, the next-to-last sentence should read, "For third derivatives at the points s_{-1} and s_{N+1}, we have used finite-difference representations which are unbalanced about those pivotal points.

Page 1617:

The seventh line after Eq. (43d) should read "...for $w_n(s,t)$, $u_{\phi n}(s,t)$, and $u_{\theta n}(s,t)$ on the interval..."

The fifth line from the bottom in the left column should read "...in the choice of time increment Δt which is..."

Page 1619:

In Table 3, the seventh line from the bottom in the far right column should read "8.337×10^{-2}."

Page 1620:

The first line of the Conclusions section should read, "The results shown in Tables 1 and 3 for the typical examples, together with numerical results not shown, indicate that the ordinary spatial finite-difference representations used in conjunction with the displacement formulation of the differential equations as given herein yield converging and correct solutions for any general continuous or discontinuous loading without segmenting the shell at points of loading discontinuities."