Addendum

On a Class of Non-breaking Finite Amplitude Water Waves

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At the time of preparing this paper it was not recognized that Equation (31) determining the time t_c of breaking of waves was capable of explicit solution. The desired solution has the form

$$t_c = \frac{2 \bar{c}_0}{m g} \left[1 - \left(\frac{2 A \omega}{2 A \omega + m \bar{c}_0} \right)^{2/3} \right],$$

from which the conclusions of that paper concerning the non-breaking of waves may be verified directly.

If an arbitrary wave profile is considered such that the acceleration on the wavefront is

$$u_t(-0, 0) = g v_0,$$

and the wave is not periodic with amplitude A and frequency ω as was the case studied in the paper, then it is easily established that the appropriate change of variable is

$$v_0 = \frac{A \omega}{\bar{c}_0}$$

so that the expression for the time of breaking becomes

$$t_c = \frac{2 \bar{c}_0}{m g} \left[1 - \left(\frac{2 v_0}{2 v_0 + m} \right)^{2/3} \right].$$

Bevorstehende internationale Tagungen - List of Forthcoming International Meetings - Prochaines conférences internationales

8th Internal Congress on High-Speed Photography, Stockholm, June 23–29, 1968, organized by the Royal Swedish Academy of Engineering Sciences (IVA), Committee for High-Speed Photography.
Congress Program Secretary: Robert Nilsson, Institute of Physics, University of Uppsala, Sweden.

International Symposium on Turbulence of Fluids and Plasmas, New York 1968. The 18th in the Polytechnic Institute of Brooklyn series of annual international symposia will be held at the Waldorf-Astoria Hotel in New York City on 16–18 April 1968. JEROME FOX, Executive Secretary, Symposium Committee, Polytechnic Institute of Brooklyn, 333 Jay Street, Brooklyn, N.Y. 11201.