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Plouf CHRISTOPHE CLANET, VIRGINIE DUCLAUX,
FRANCOIS CAILLE, IRPHE - France — Plouf is the noise made by the
impact of a solid sphere into a pool when air is entrained. In fact, this
impact does not always entrained air and our first point is to address
the criterion of entrainment. When air is entrained, a cavity is created
the dynamics of which can be described by a Rayleigh-Plesset approach.
We show that an algebraic equation exists to describe the dynamic of this
cavity up to the pinching.

Prefer Oral Session
 Prefer Poster Session

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