

# Instability of a Swirling Bubble Ring

Y.Xu<sup>1</sup>, I.Delbende<sup>1</sup>, D.Fuster<sup>1,2</sup> and M.Rossi<sup>1,2</sup>

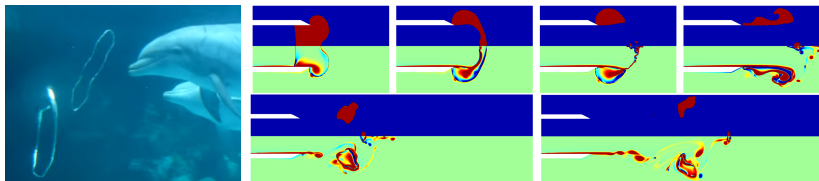
<sup>1</sup>Sorbonne Université, Institut Jean Le Rond d'Alembert, UMR 7190

<sup>2</sup>CNRS, Institut Jean Le Rond d'Alembert, UMR 7190

Mars 30, 2202



## Bubble rings produced by dolphin



Three major problems concerning this toroidal bubble:

- Its formation studied by DNS.
- Its stretching studied with a simplified DNS model.
- Its stability properties studied by the two-phase stability problem.