



Numerical simulation of 3D breaking waves

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Numerical methods dealing with two phase flows basically can be classified in two ways : the "interface tracking" methods when the two phases are resolved separately including boundary conditions fixed at the interface and the "interface capturing" methods when a single flow is considered with variable density.

Physical and numerical properties of the two approaches are discussed, based on some numerical experiments performed concerning 3D breaking waves.

Acknowledgements : This research was supported by the Modtercom program of Region PACA.