## Finite time singularities for the free boundary incompressible Euler equations

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**Abstract**. In this talk we introduce the water waves problem which studies the motion of the free boundary of the water. This problem tries to model, for example, the movement of the waves in the sea. After looking over some well known results we present the work we have carried out searching for singularities. In particular we focus on the existence of splash singularities.

## References

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