

# A brief INTRODUCTION to COMPUTATIONAL FLUID DYNAMICS

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## Historical Background

A bit of history is  
not bad at all!

01



05

## Using CFD Software

Impossible by hand!

## Computational Fluid Dynamics

What is CFD?

02



06

## Governing Equations

Be careful, Real CFD at this point!

## Finite Element Method (FEM)

"Divide and Conquer"

03



07

## Boundary Conditions

No more CFD without them!

## CFD Steps

"Step by step and the thing is done"

04



08

## Questions

and answers...