



# The future of physical building modelling

Dietmar Siegele





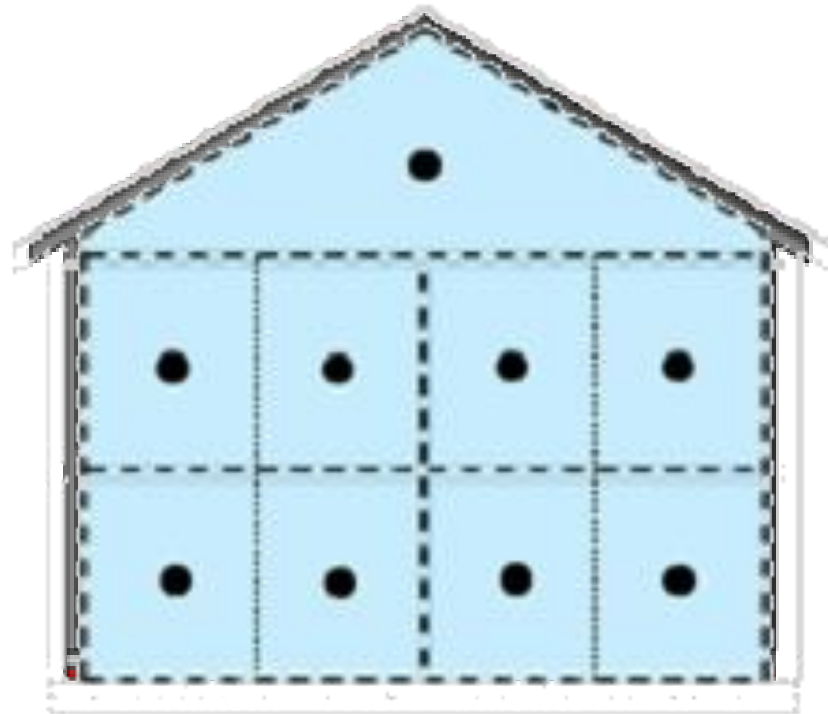
# Building Energy Modelling

## What can we do so far?

# Building Energy Modelling

## Actual approach

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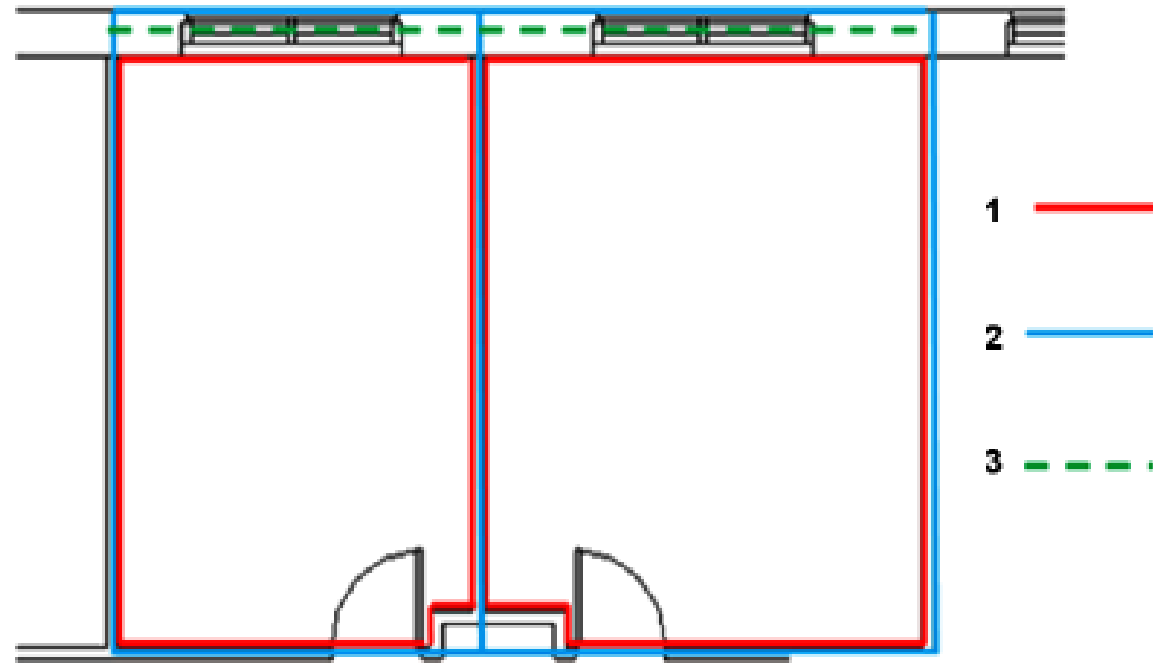


*Source: Autodesk*

# Building Energy Modelling

## Actual approach

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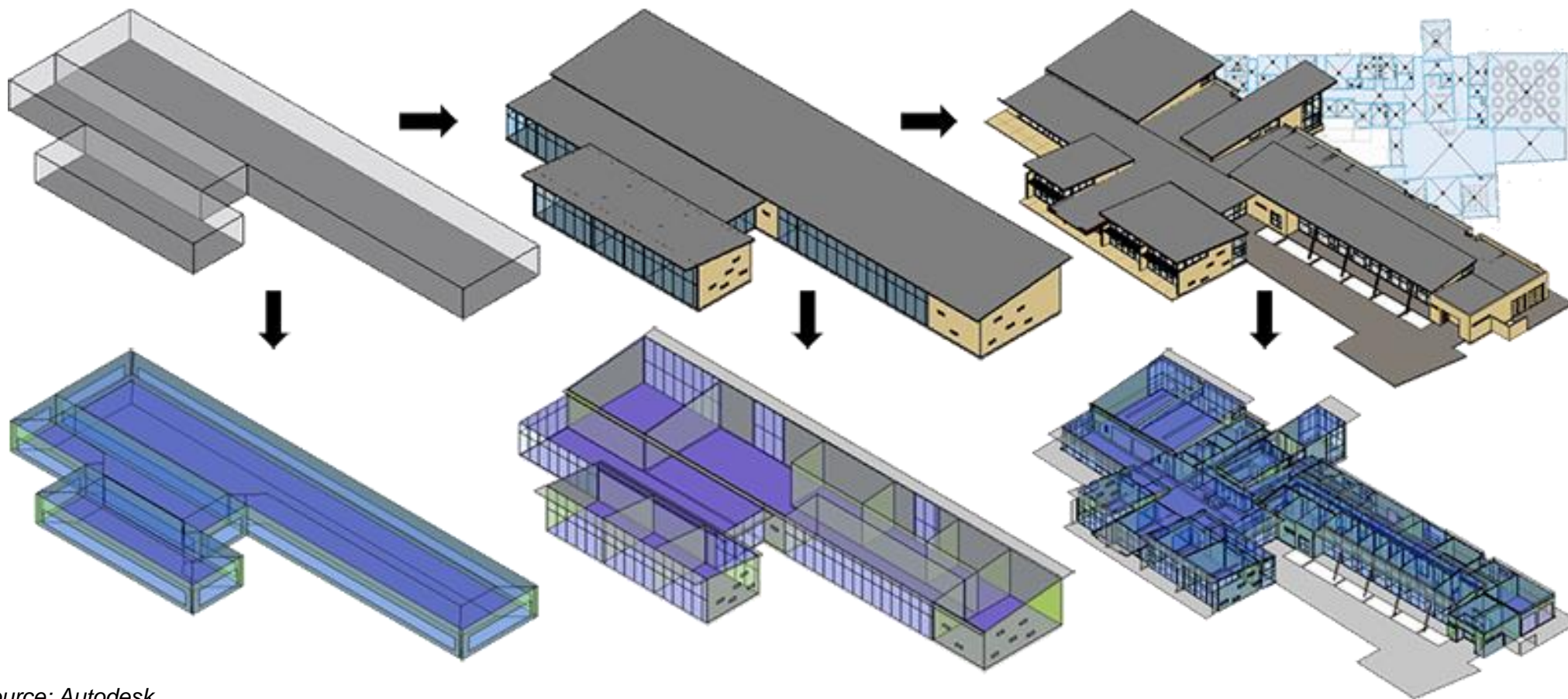


Source: Autodesk

# Building Energy Modelling

## Actual approach

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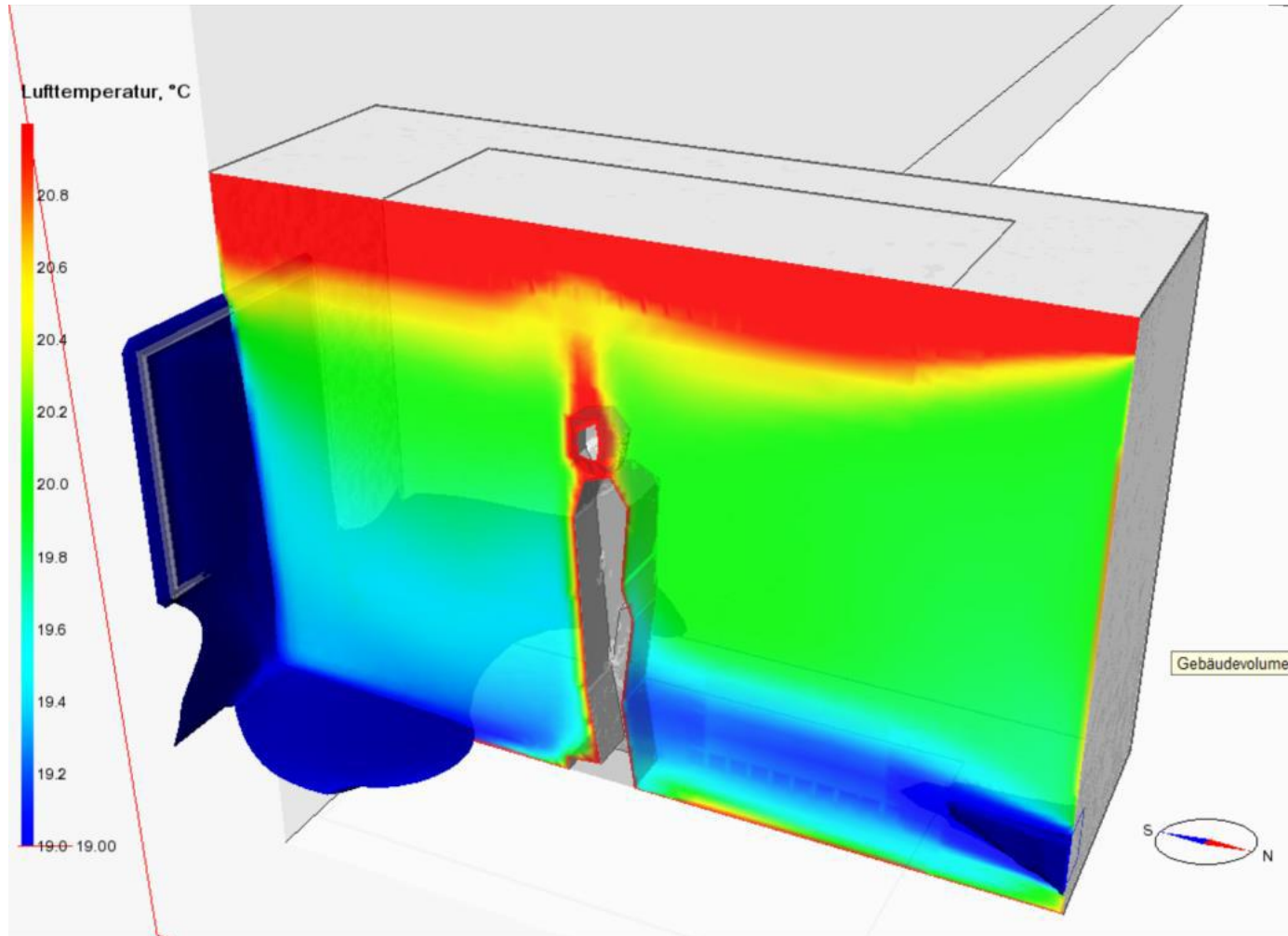


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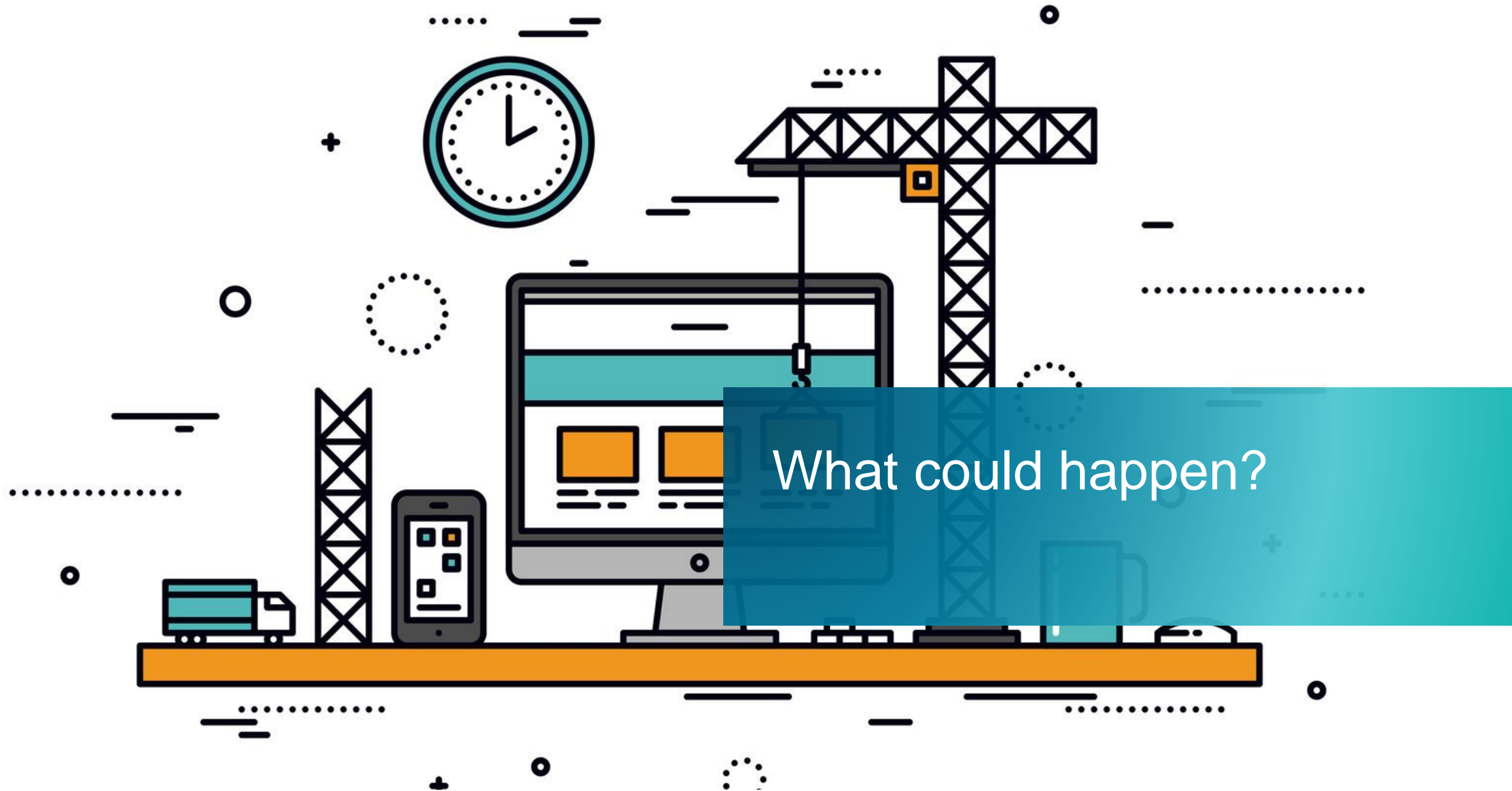


# Building Energy Modelling

## Actual approach



Source: EQUA





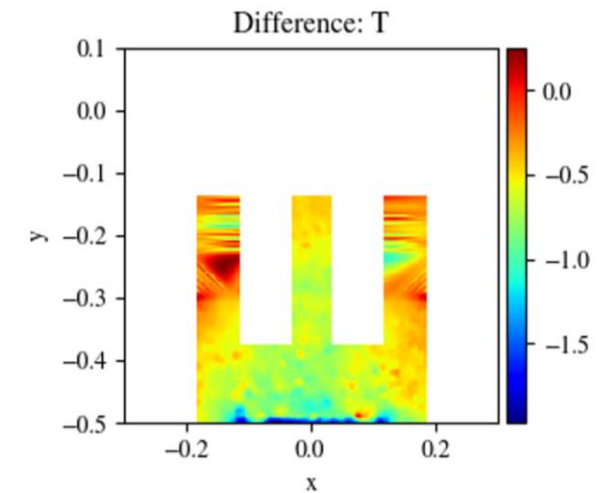
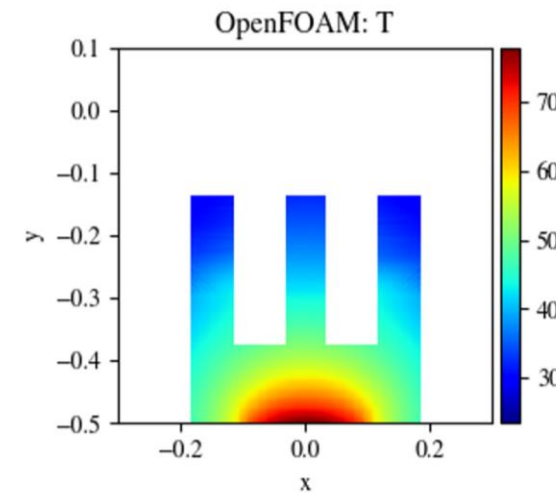
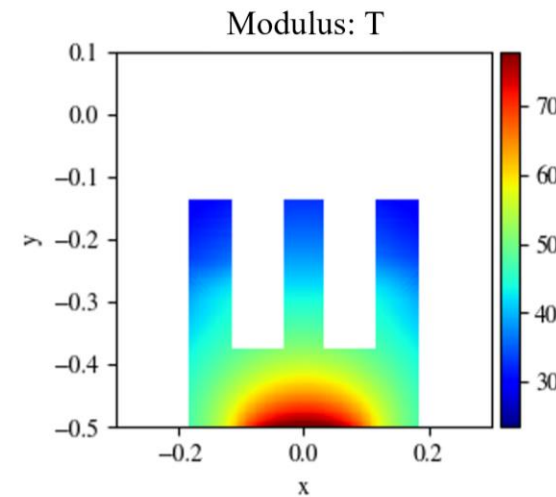
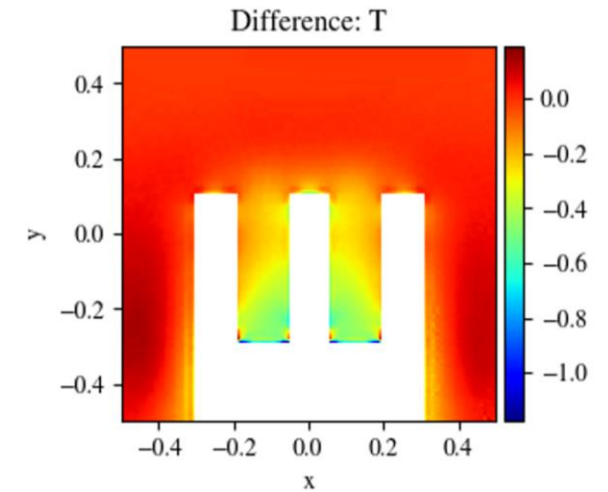
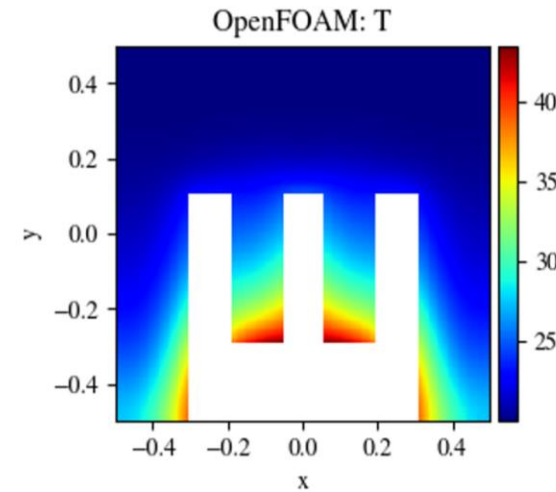
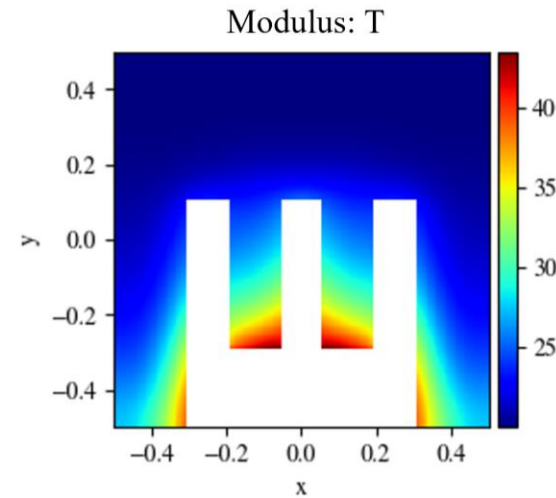


# Partial Differential Equations

## A new approach

Time reduction of  
factor 20 to 100!

Source: NVIDIA









# Thank you for your attention

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