

# Combinatorial Equilibrium modelling - CEM



Wintersemester 2022/23

Technische Universität München  
TUM School of Engineering and Design  
Department of Architecture  
Professur für Structural Design  
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# CEM Basics



## Elements

## Elements

Form Diagram



- Element under Compression
- External Load
- Reaction Force

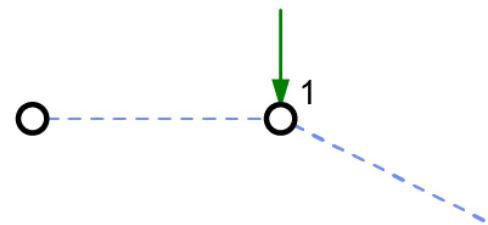
Topology



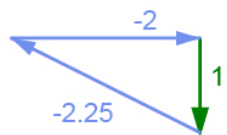
- Origin Node
- Support Node
- Node
- Trail Element [m]
- Deviation Element [KN]
- External Force applied on Node

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Force Diagram

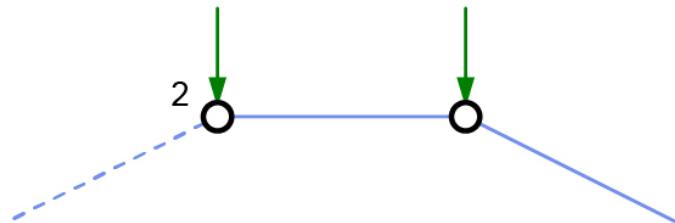
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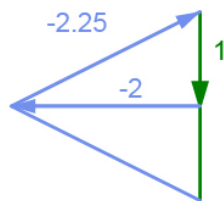
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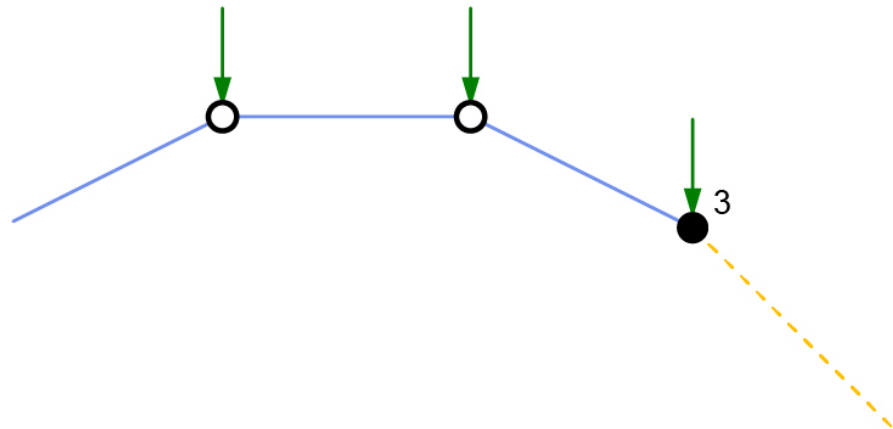
Topology



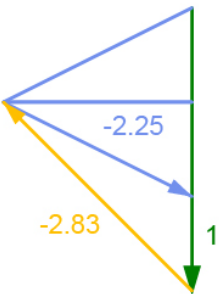
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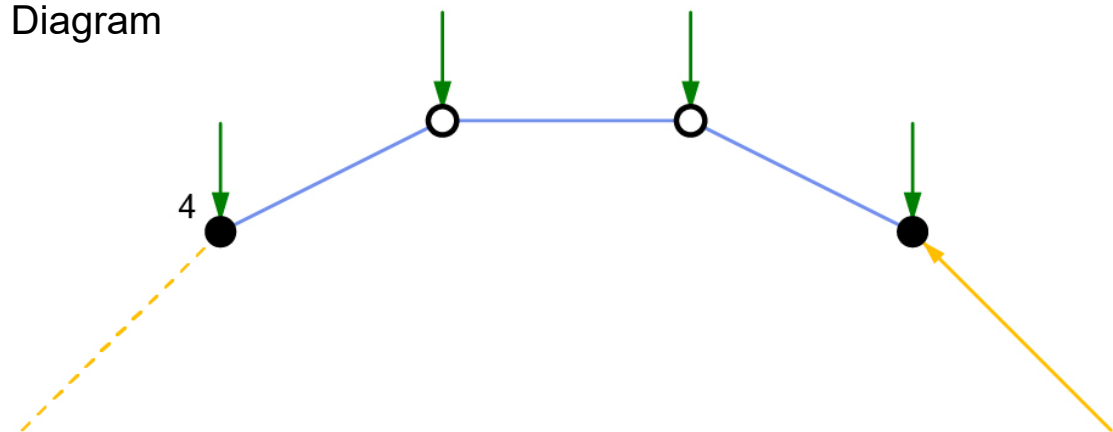
Topology



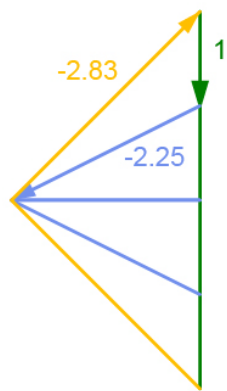
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Force Diagram

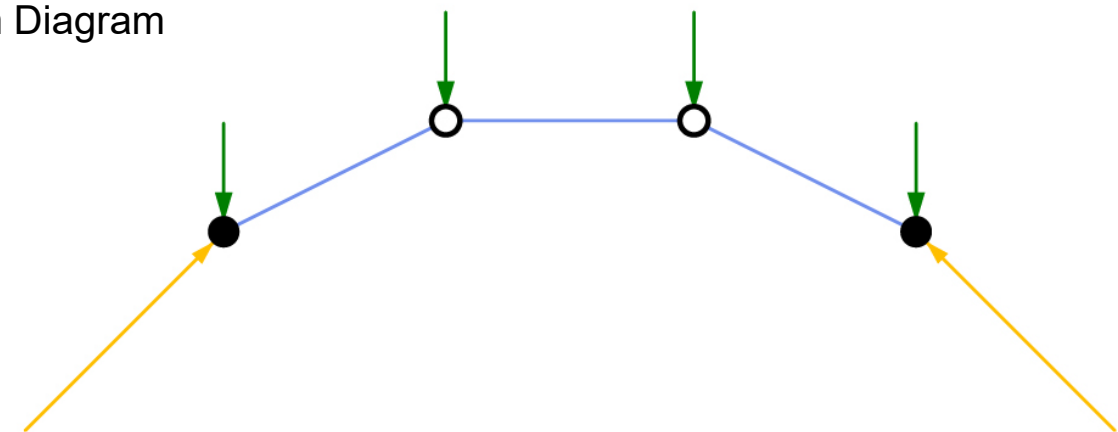
Topology



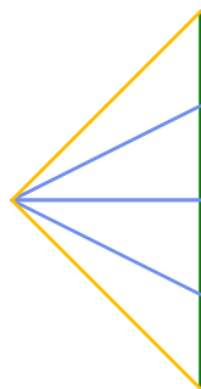
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Force Diagram

Topology

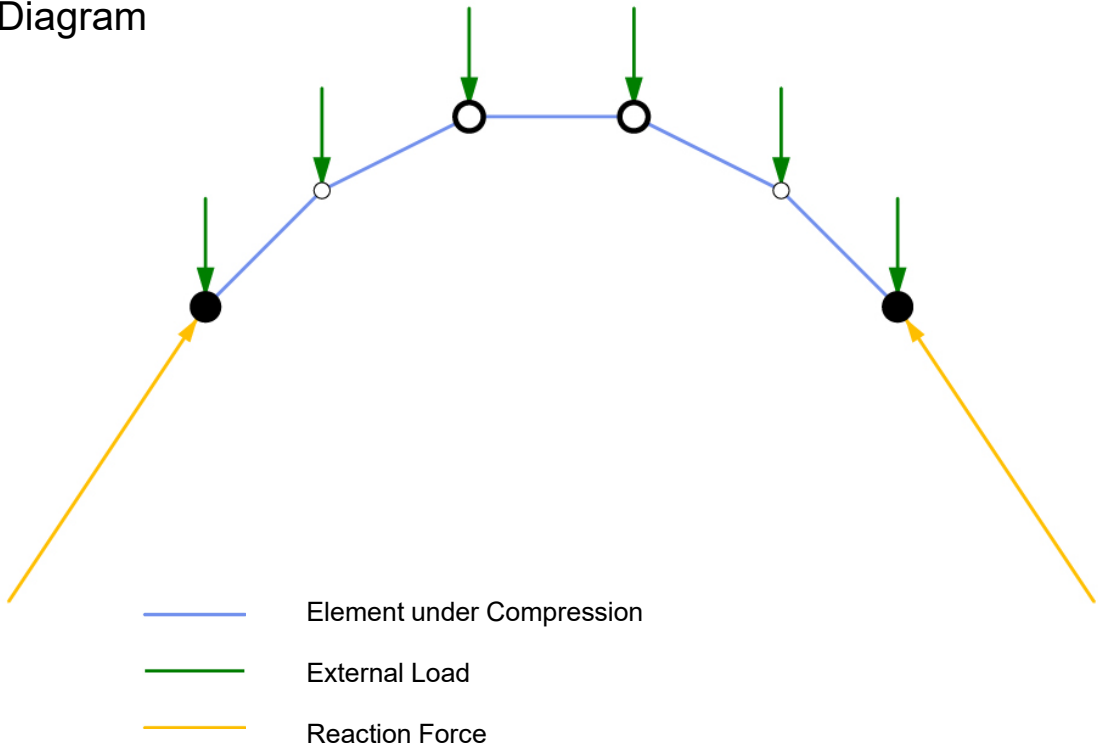


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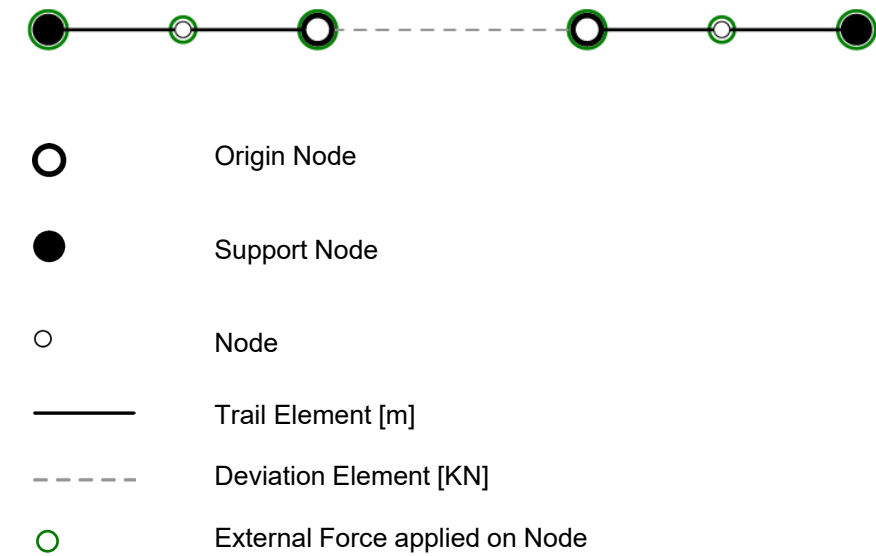


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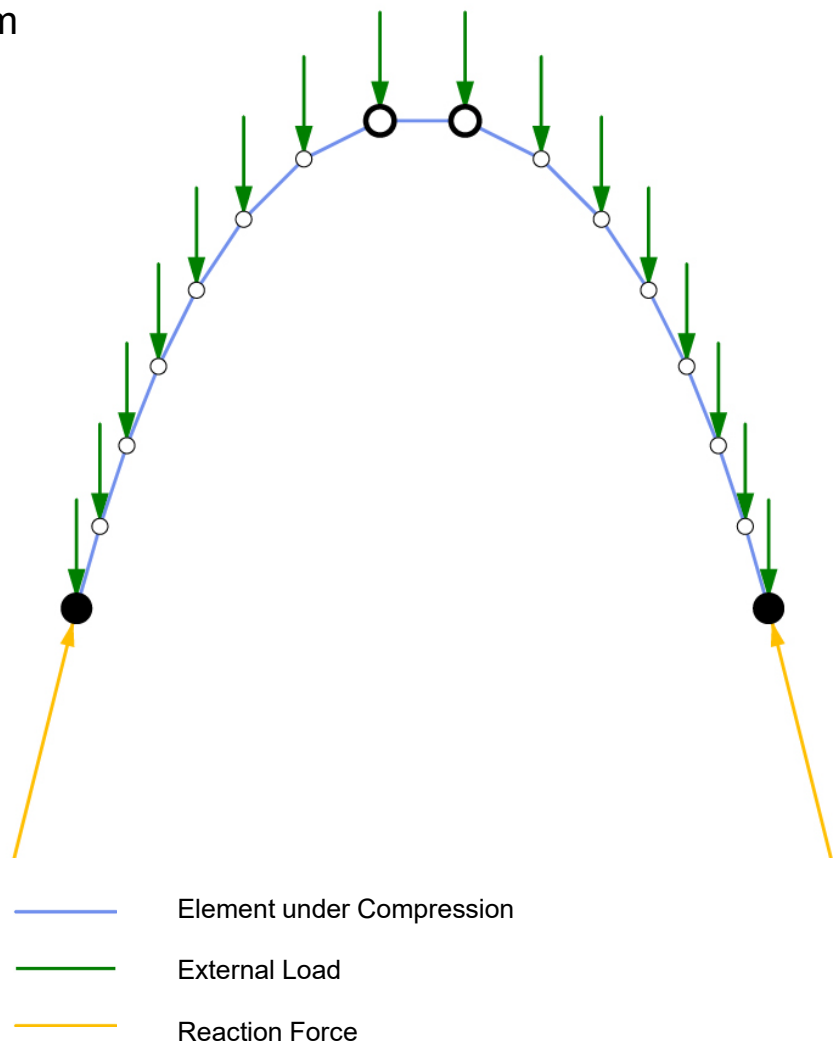


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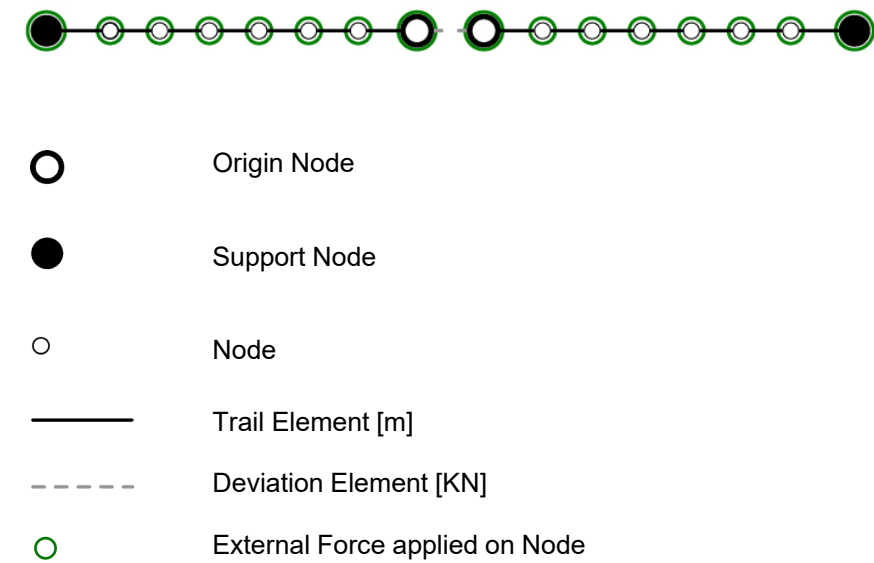


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