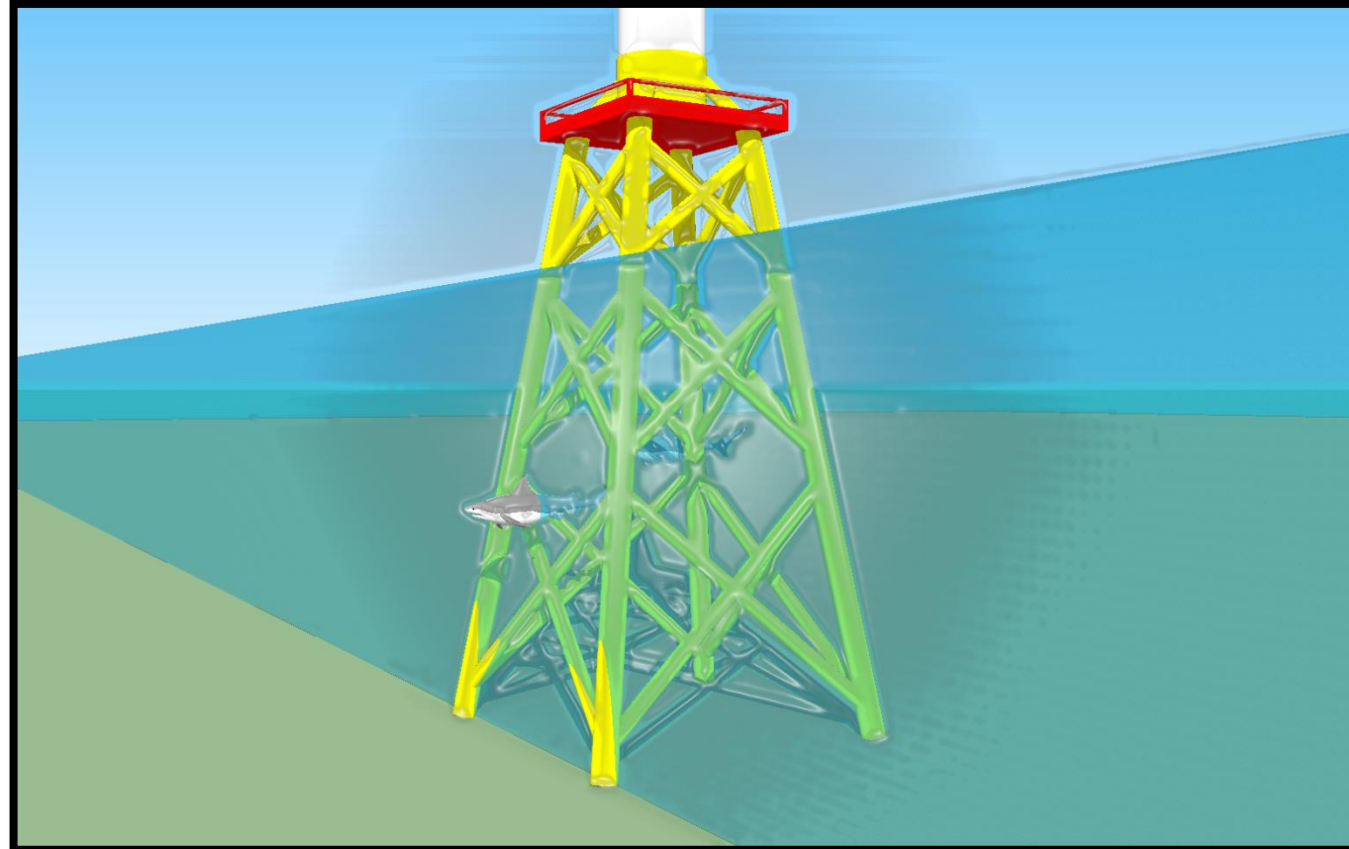


The jacket is coming

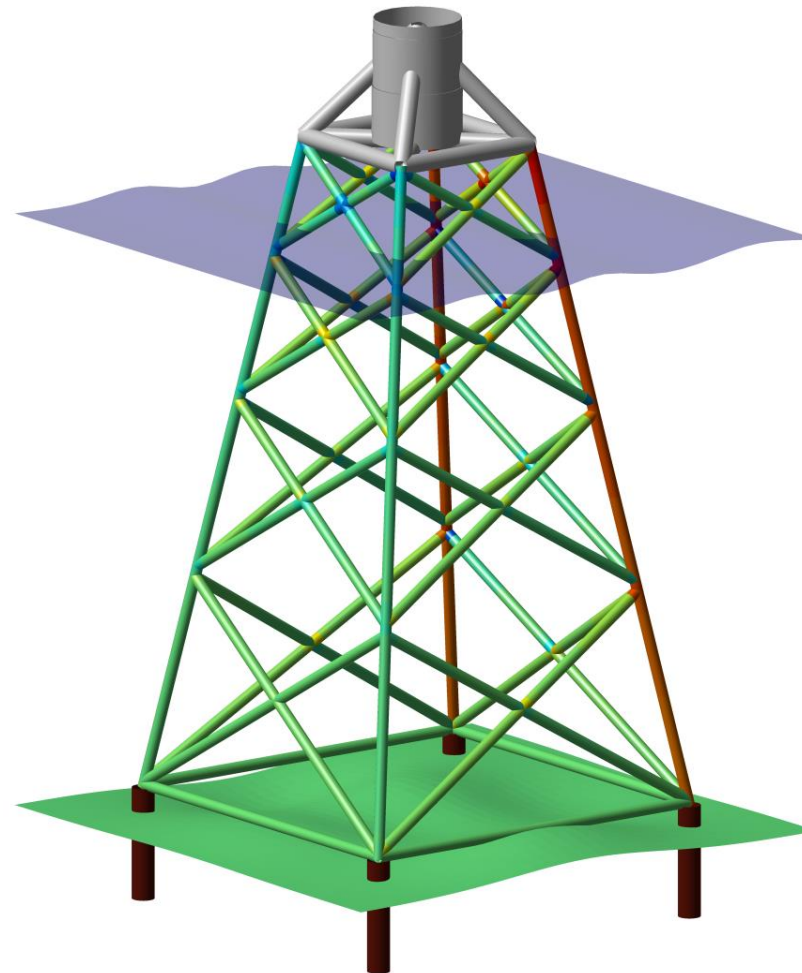


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Minimize mass with fatigue constraint

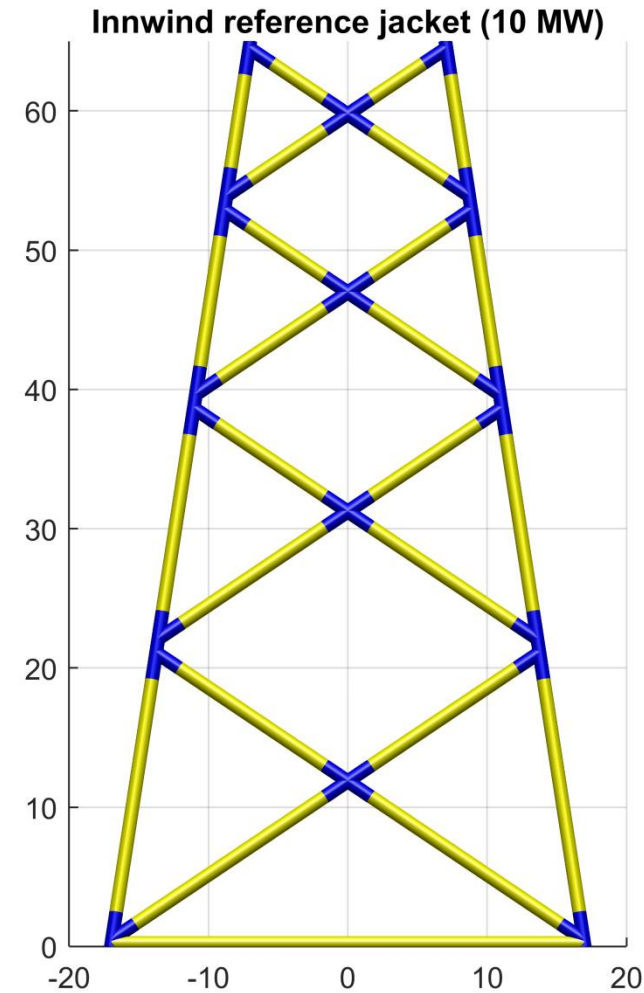
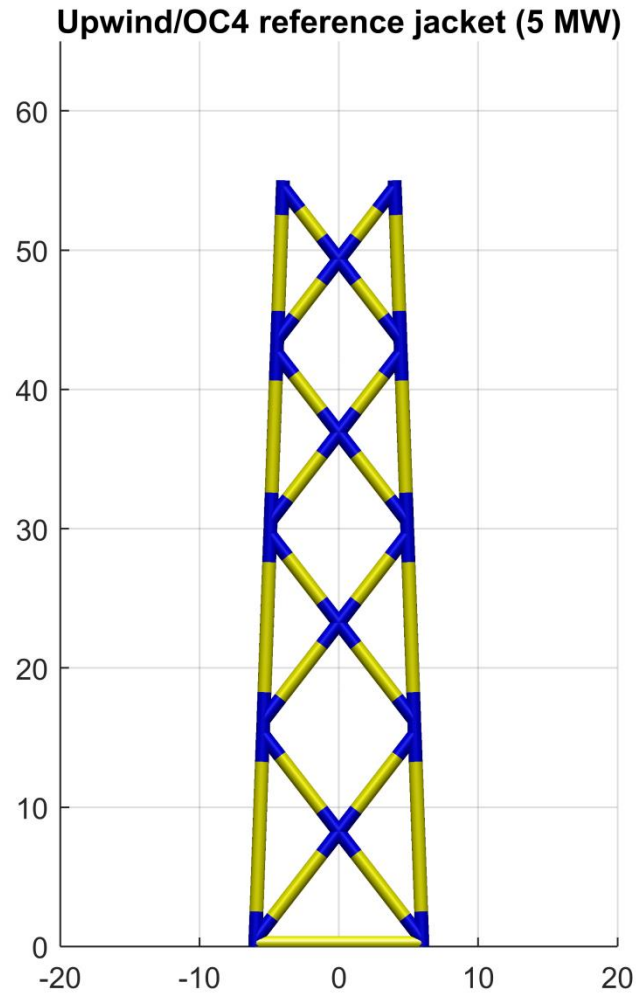
Jacket Design Optimization (JADOP)



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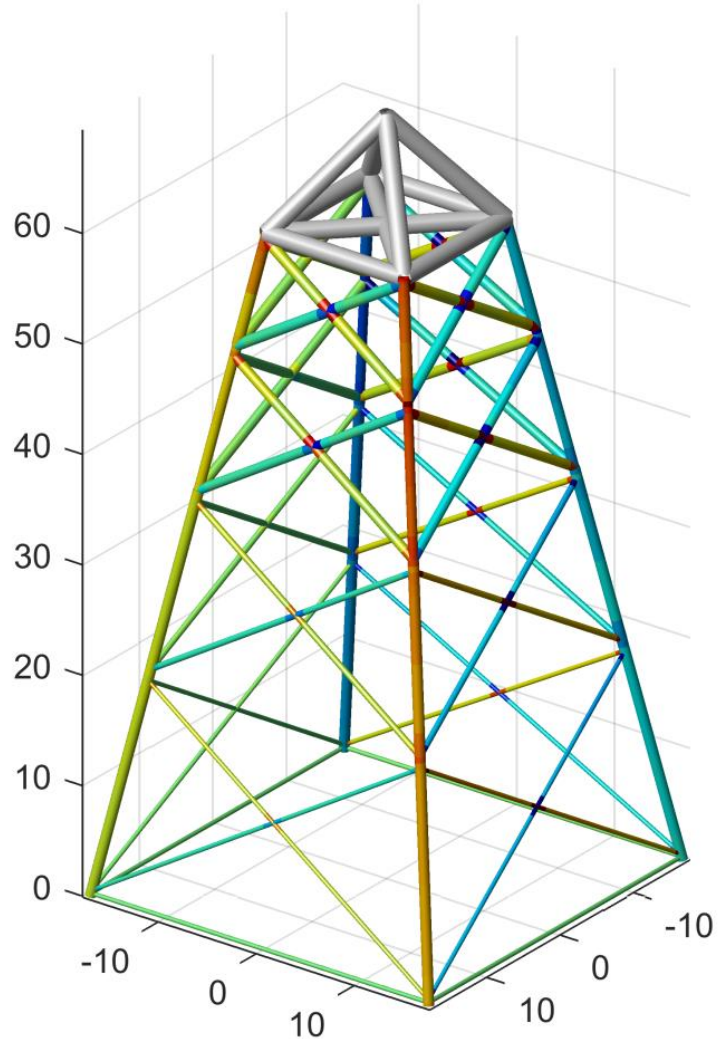
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Conceptual design decision: leg-distance

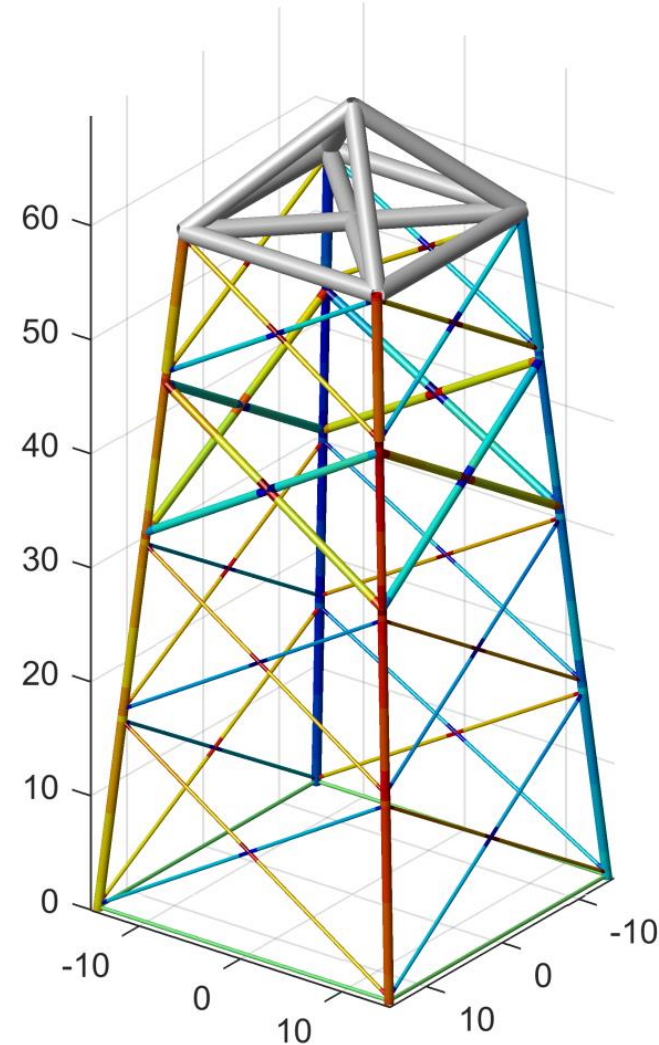


Reduced mass with 12 percent

Optimized design, $m=1152$ [tons]



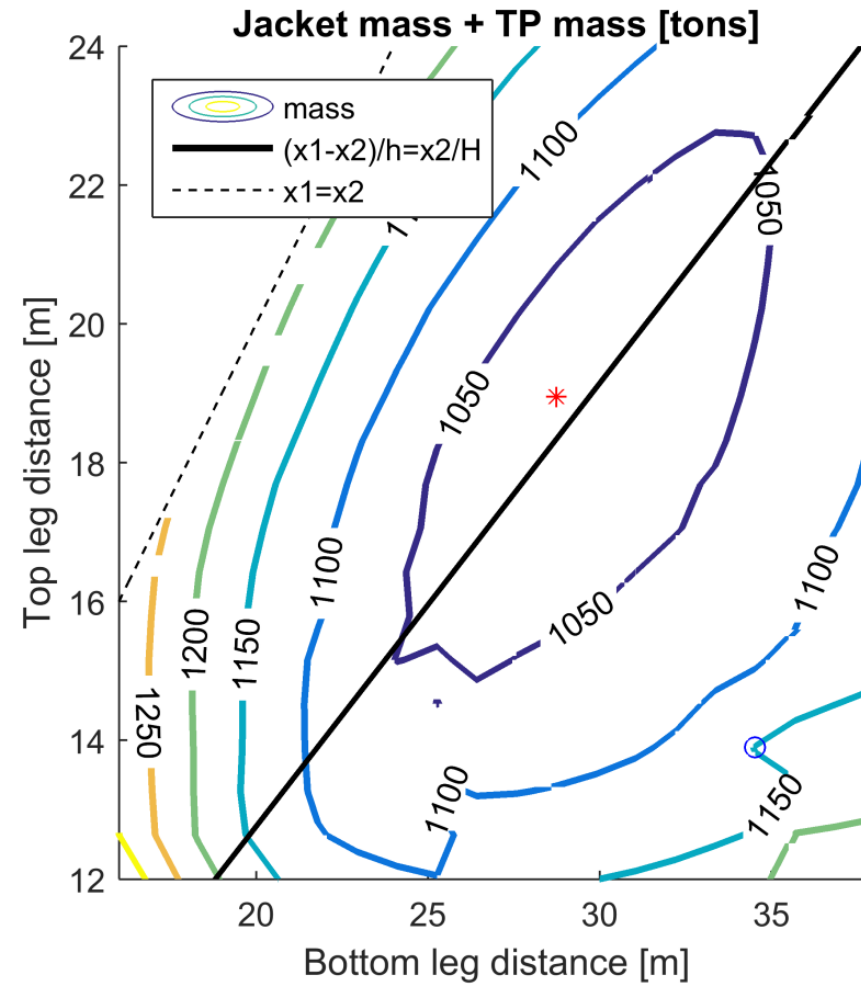
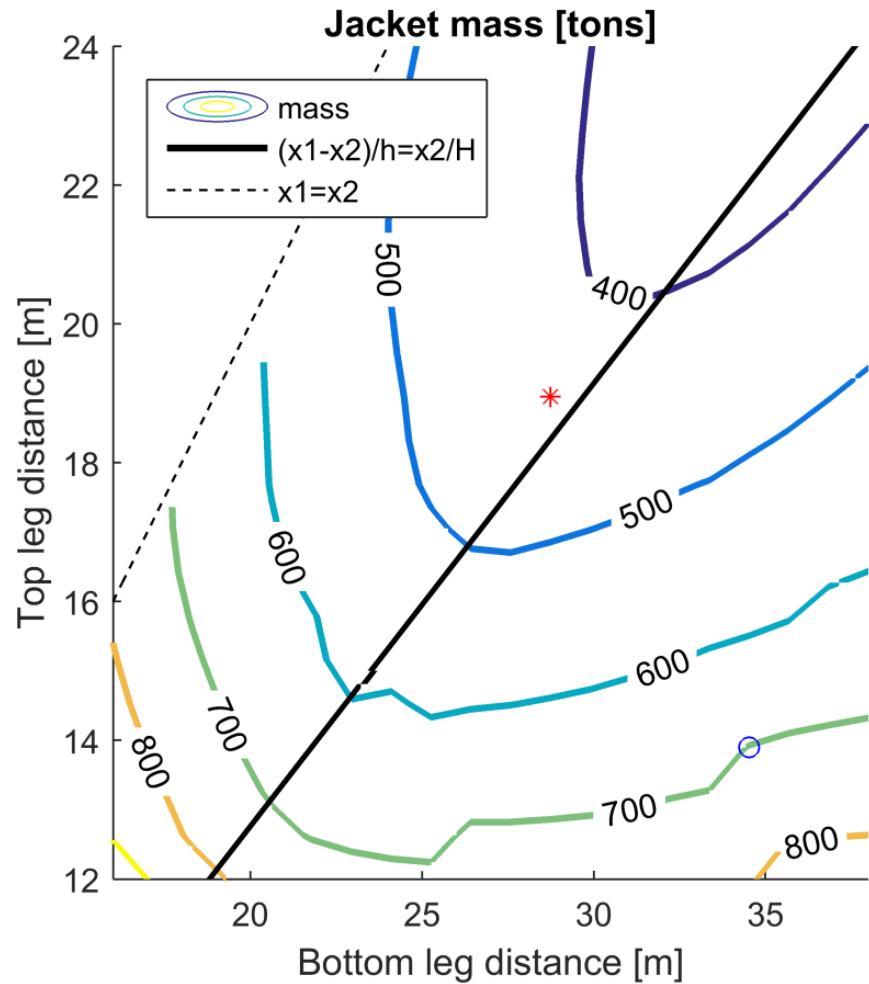
Optimized design, $m=1014$ [tons]



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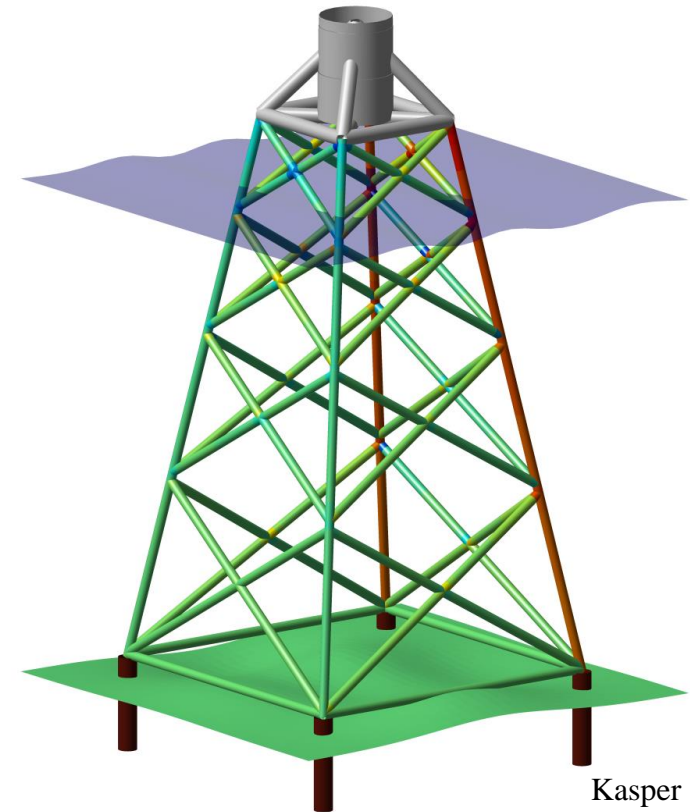
200 designs optimized / hr



Optimization + You > 10*You

- Automatically explore the design space
- Choose parameters such as
 - leg distance
 - number of sections
 - k-joint eccentricity
 - height
- Use your own rotor-loads and design constraints

Jacket Design Optimization (JADOP)



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