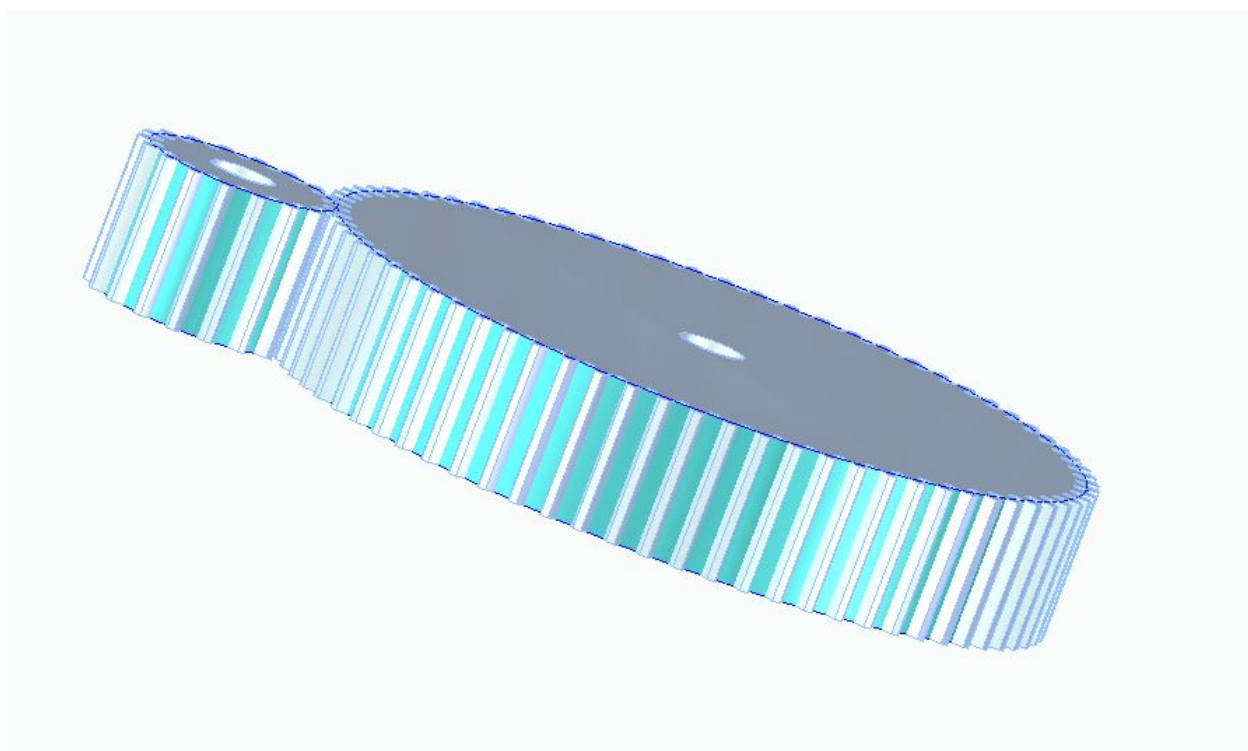
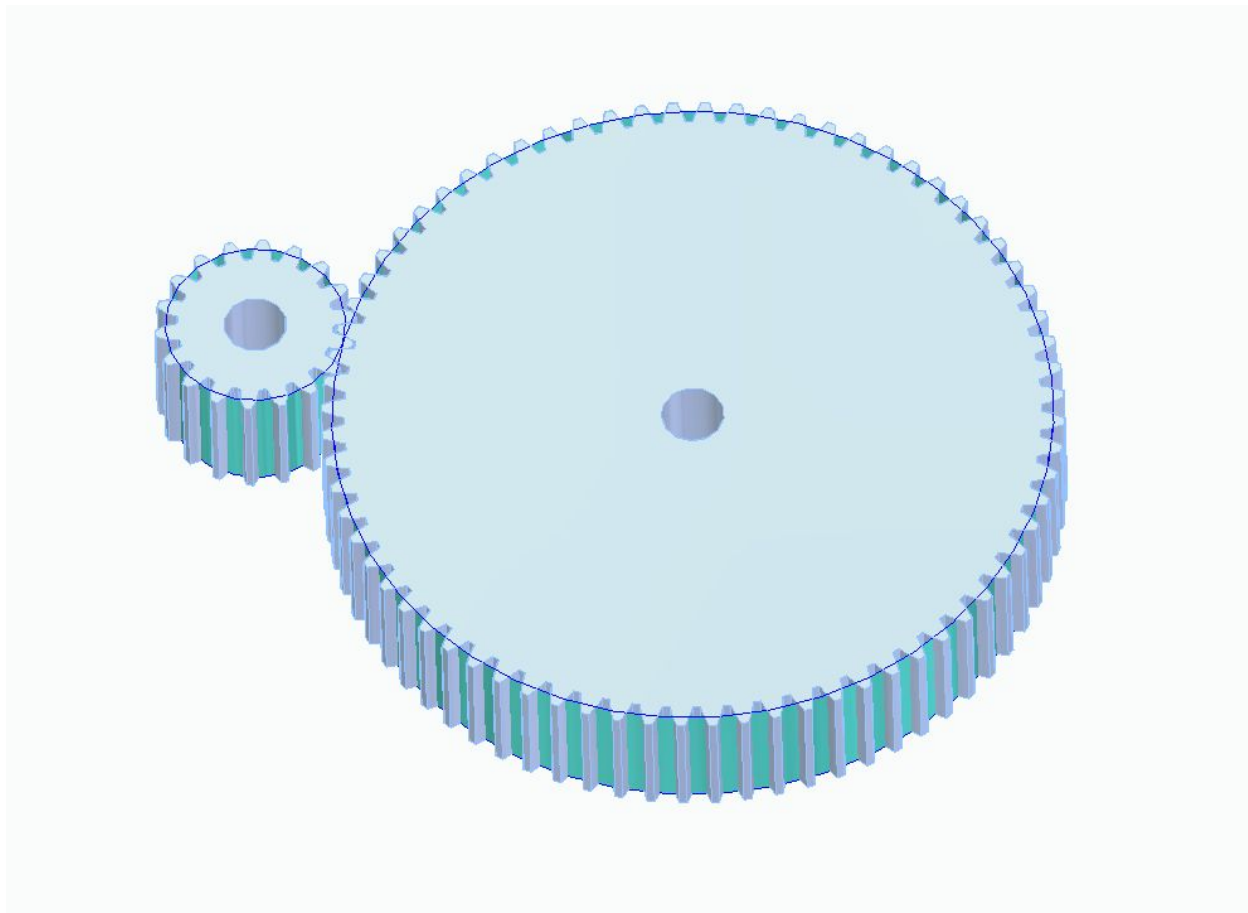
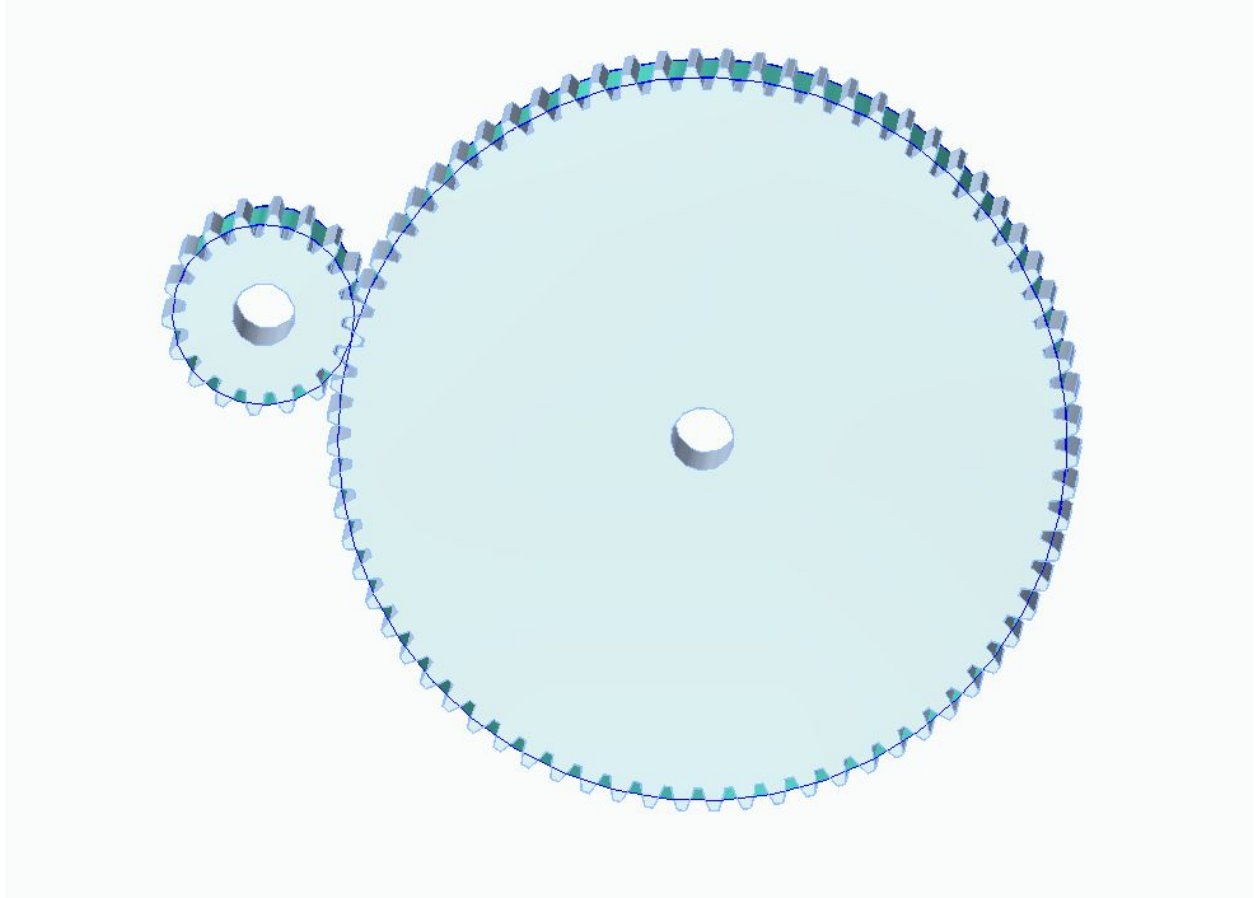


Information:

- Used Solid Edge spur gear designer tool
- Material is Structural Steel 55 as labeled in Solid Edge (Young Modulus $E = 28.99E6$, $\nu = 0.3$) for both pinion and gear
- The hole for gear shaft is 0.787 inches diameter for both pinion and gear.

Assembly:



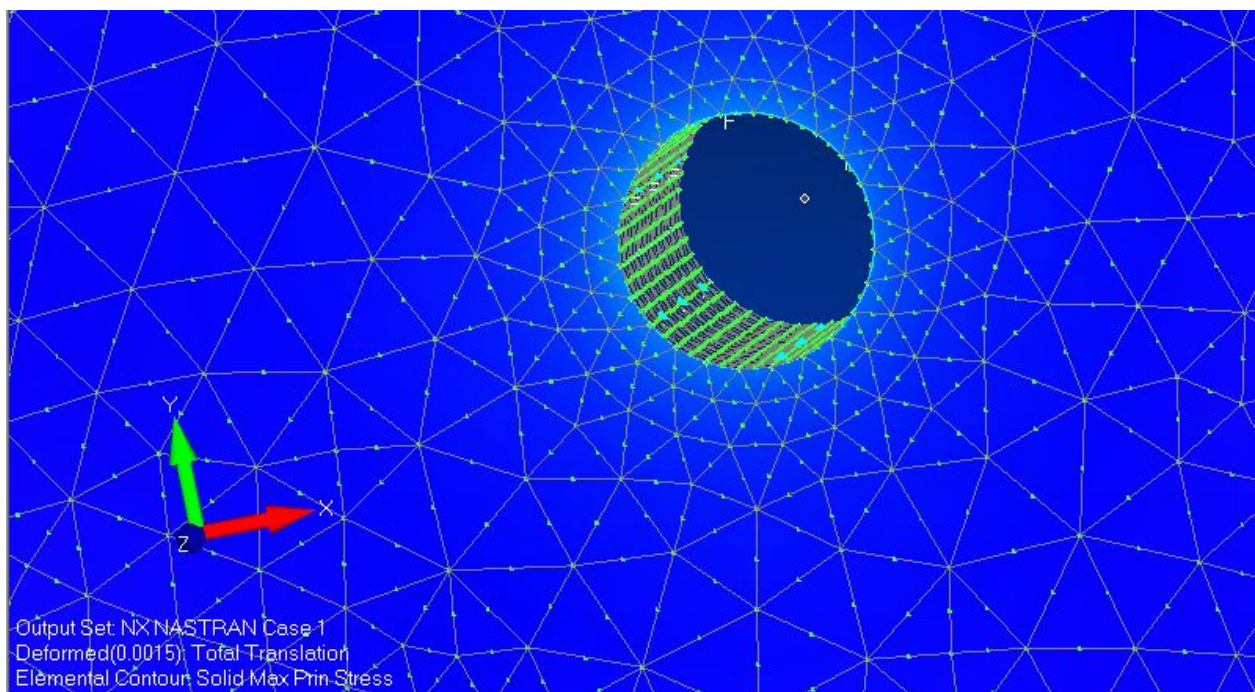
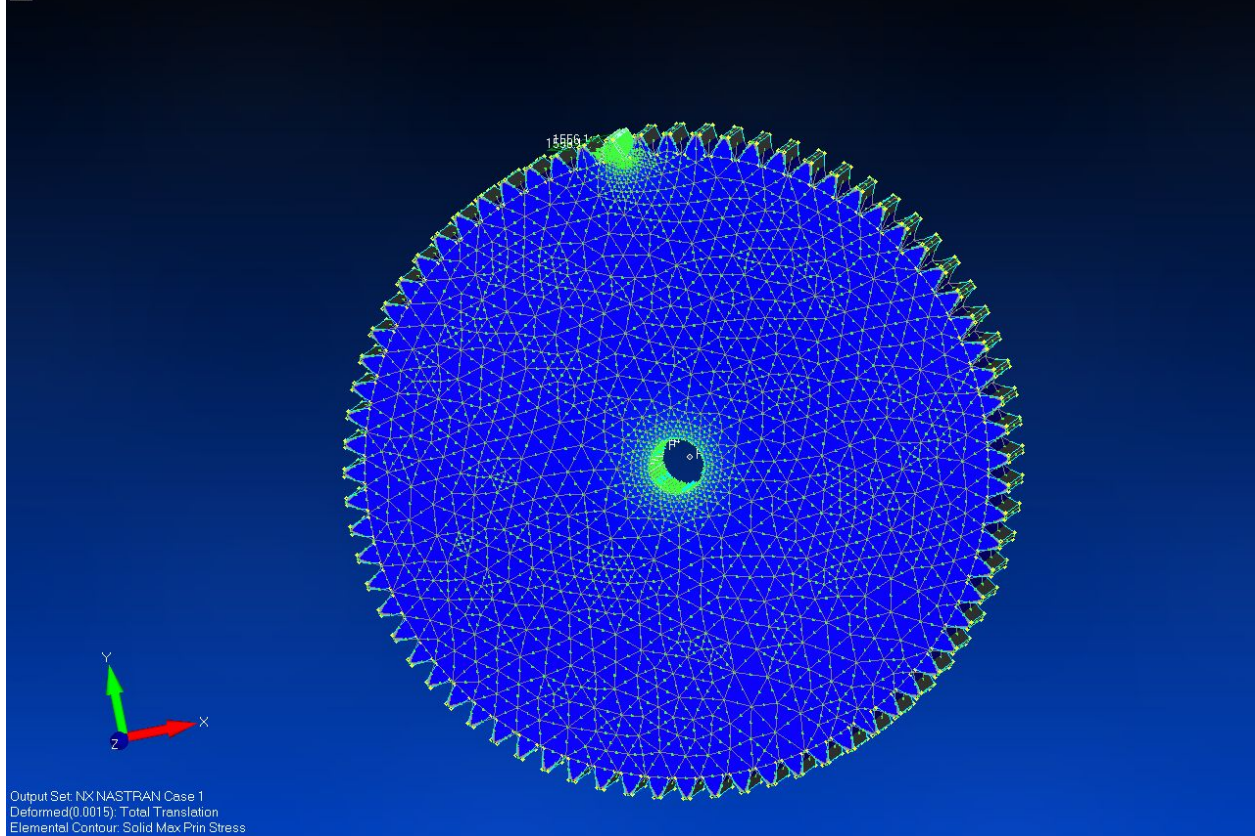


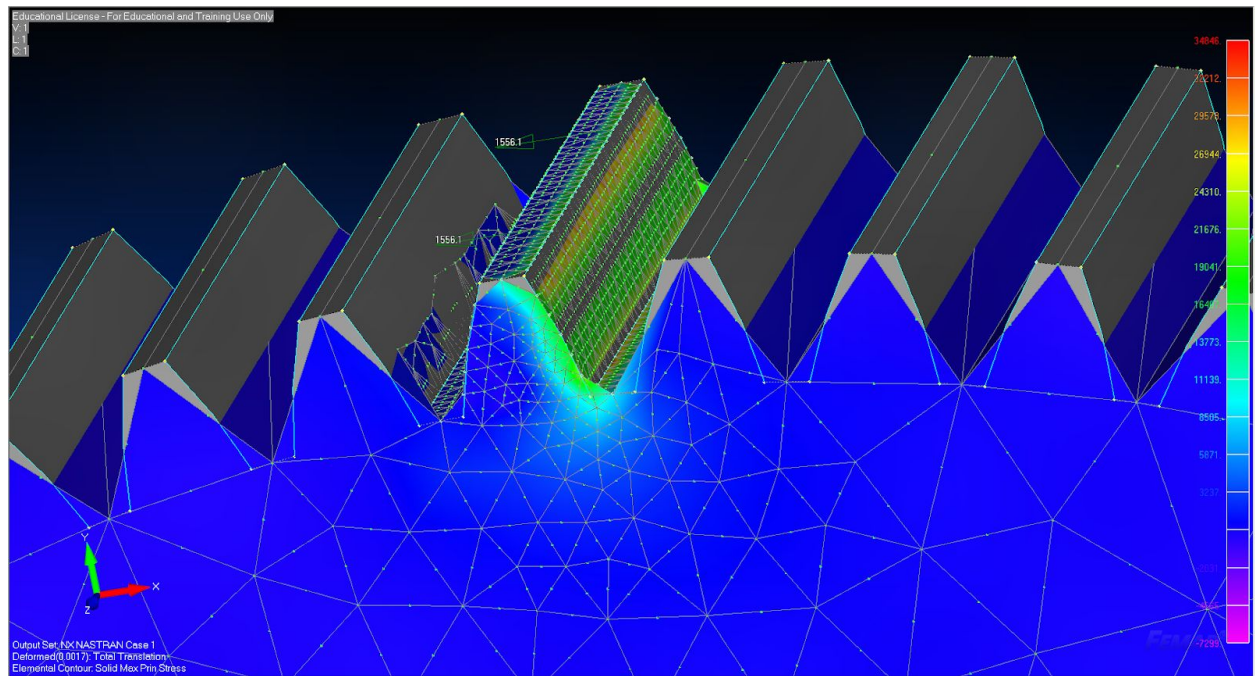
Gear:

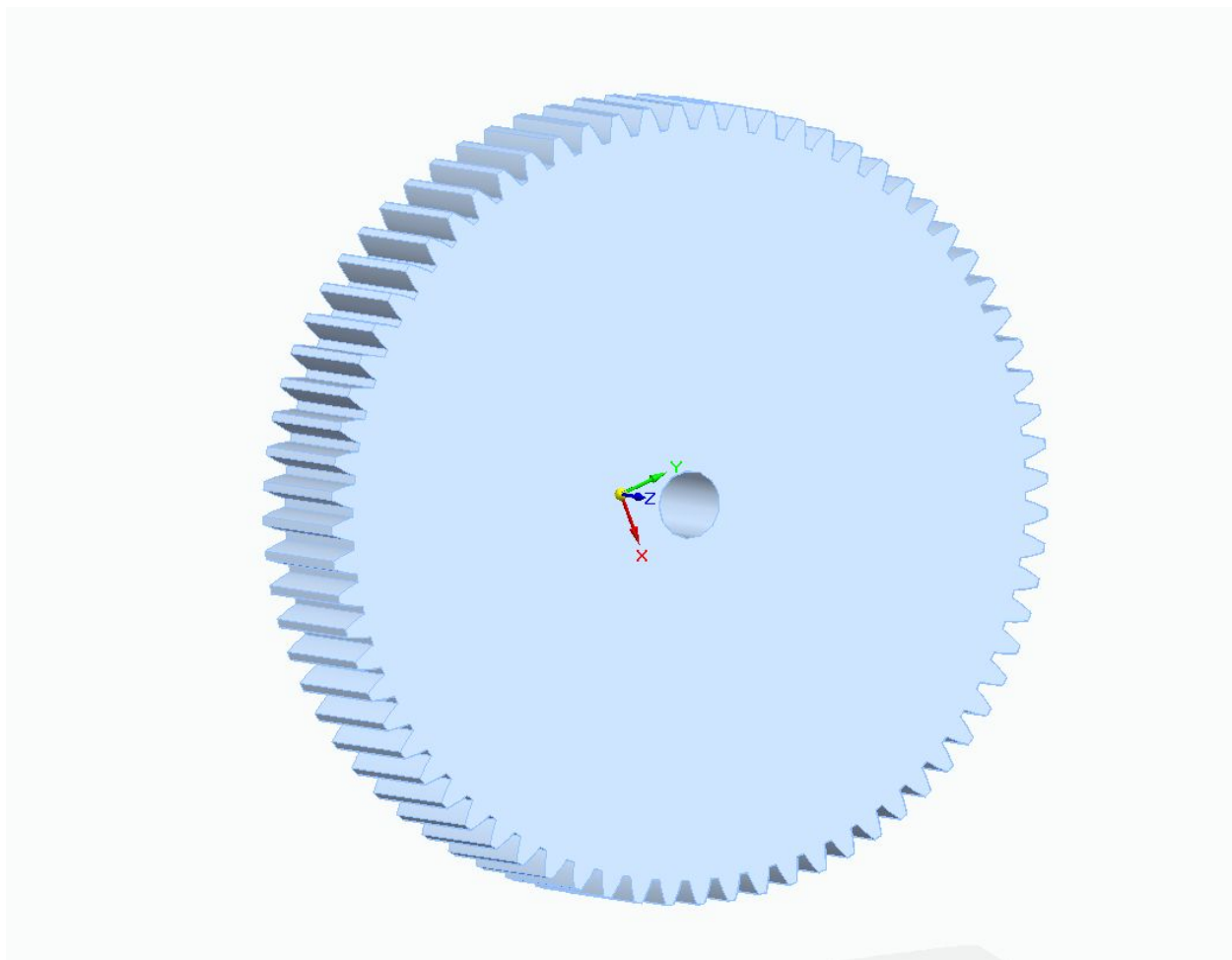
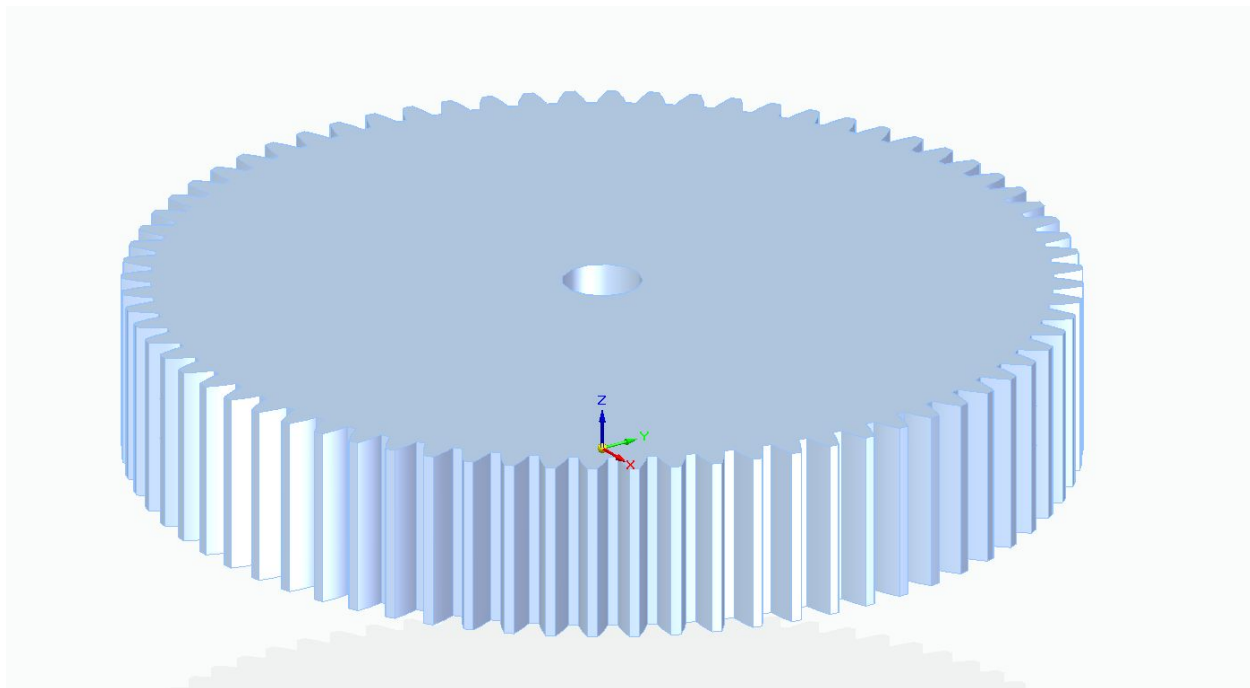
Mostly mesh size 20, with a mesh size of 0.05 right at the point of loading and mesh size of 0.1 at the hole.

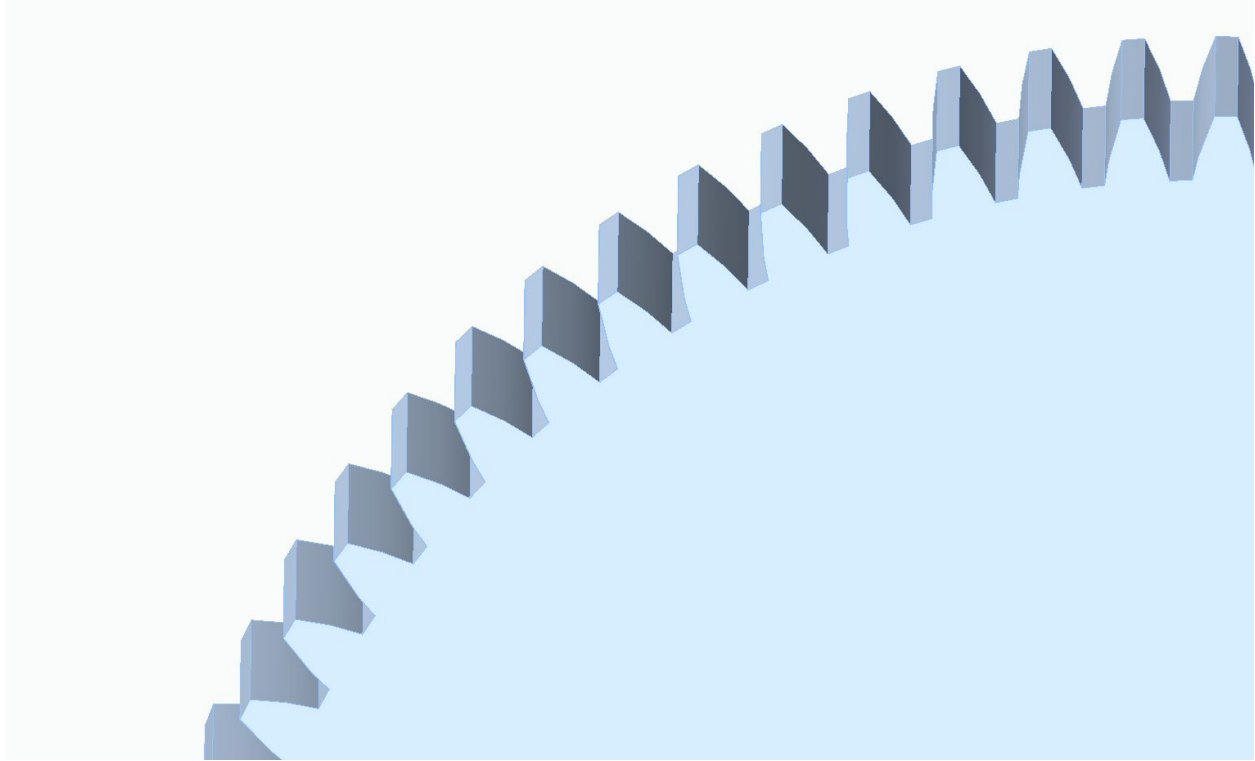
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V: 1
L: 1
C: 1









Pinion:

The mesh size for the entirety of the gear is 0.01

