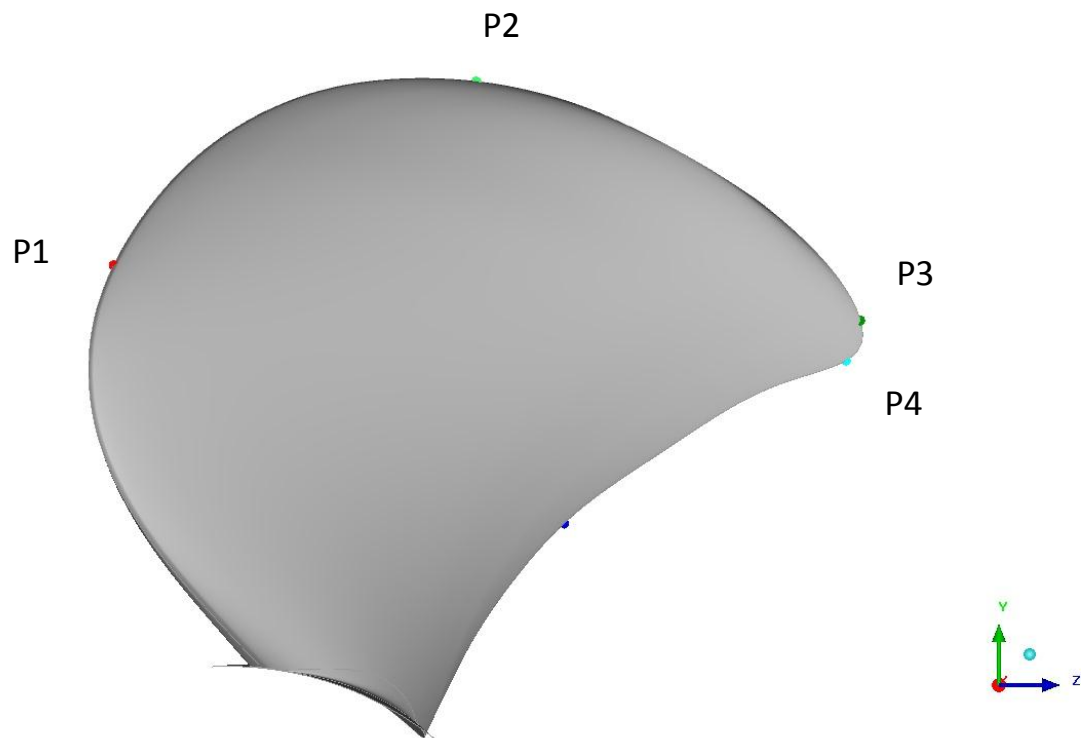
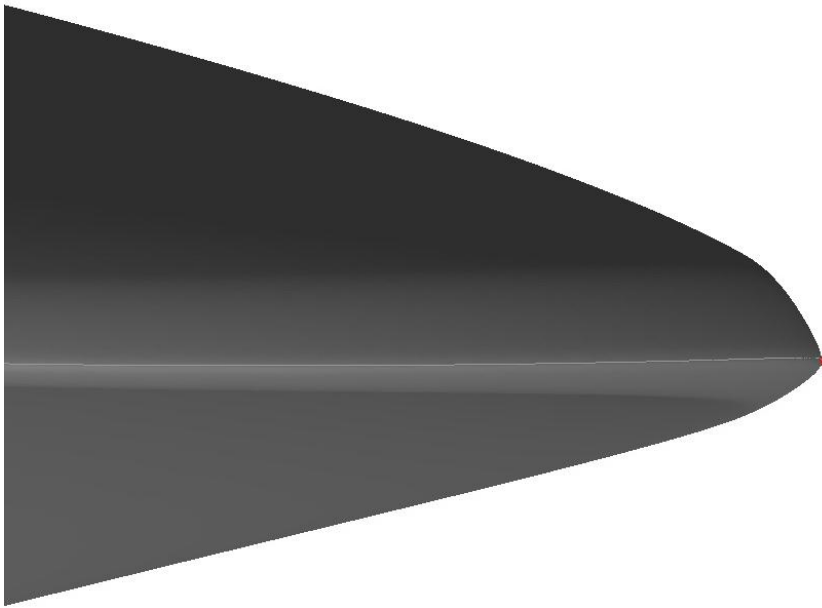


## Propeller geometry: PPTC (VP1304)

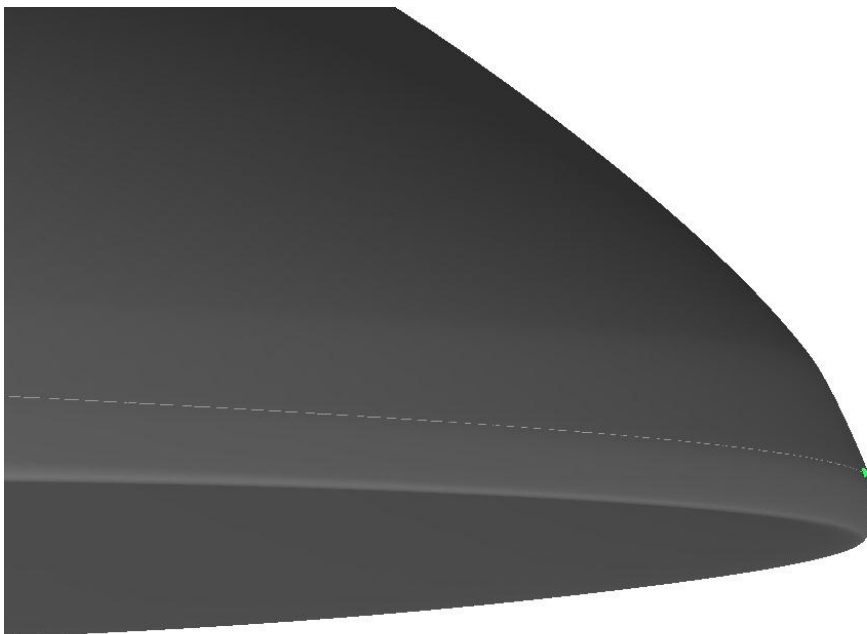
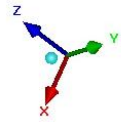


- The representation of the leading and trailing edge geometry of the propeller depends largely on the tolerance of the faceted geometry
- In the following the leading and trailing edge geometry is shown at different positions
- The pictures were taken from ANSYS ICEM. Other programs may have a different geometry definition, but in general the same behaviour should be observed in case the tolerance of the geometrical representation is changed.

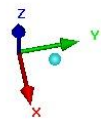
## 1. Leading edge



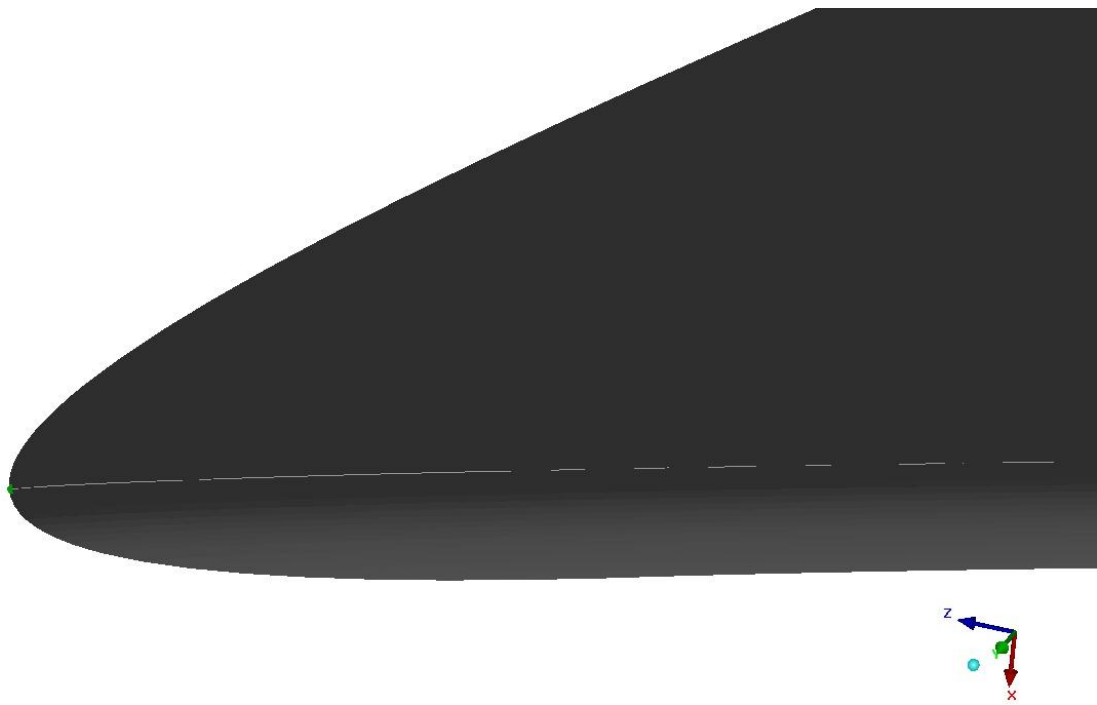
Leading edge at position P1



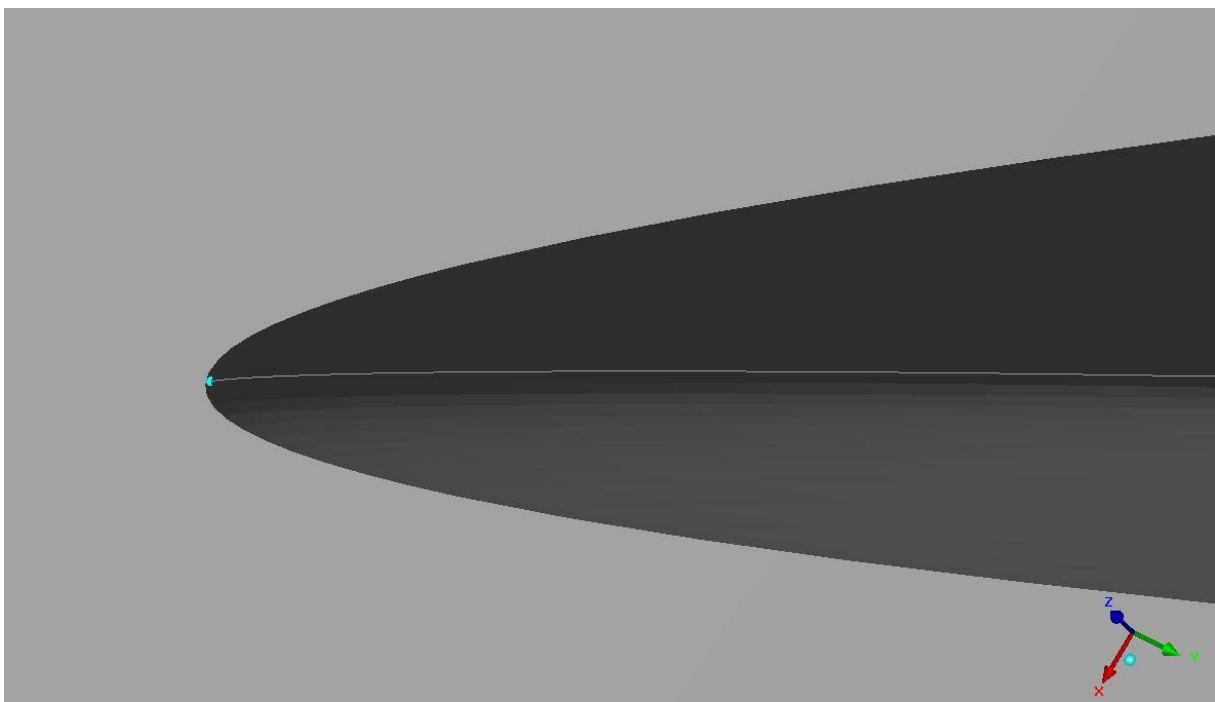
Leading edge at position P2



## 2. Trailing edge

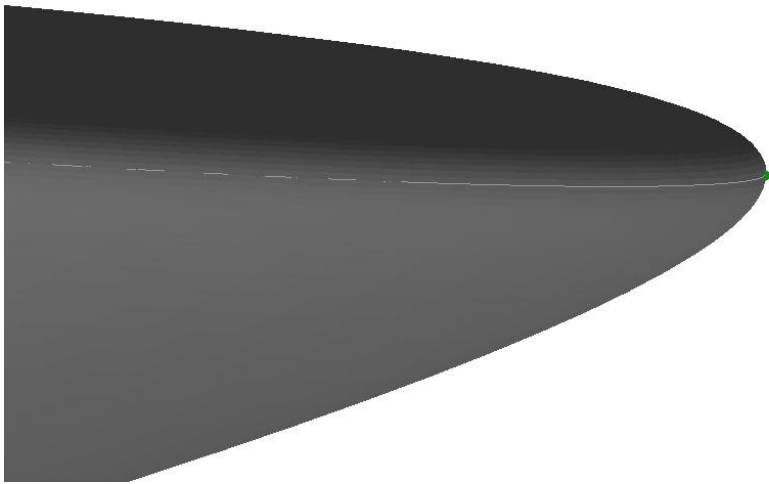


Trailing edge at position P3

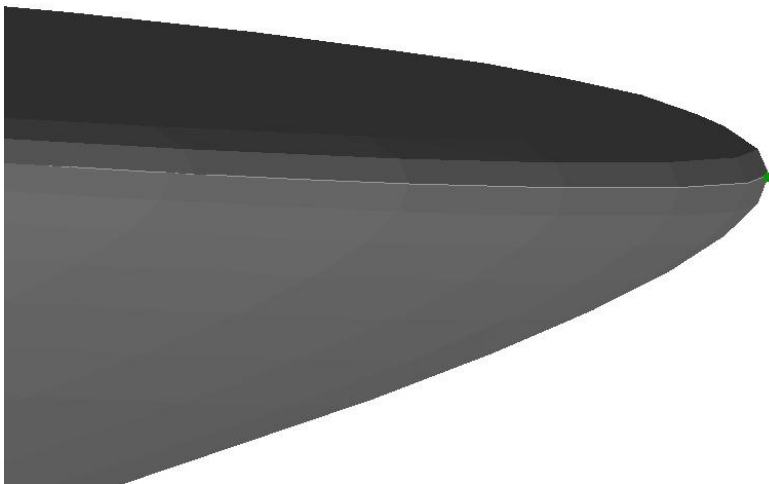


Trailing edge at position P4

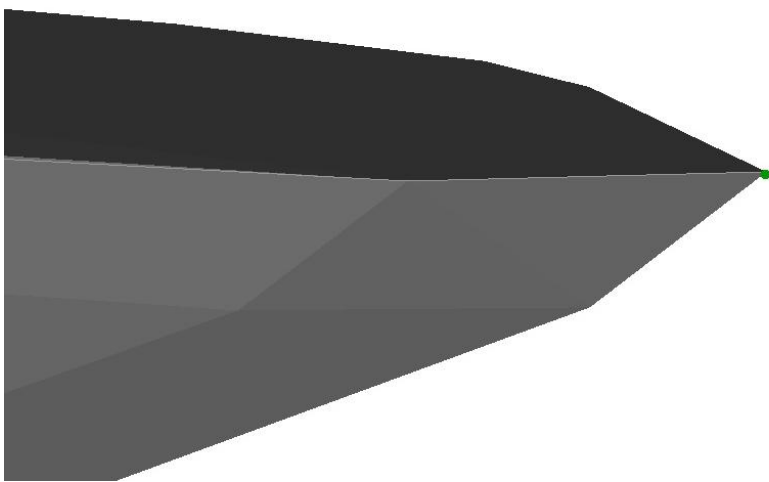
### 3. Tolerance of faceted geometry



Trailing edge at position P3, faceted geometry with tolerance 0.001mm



Trailing edge at position P3, faceted geometry with tolerance 0.01mm



Trailing edge at position P3, faceted geometry with tolerance 0.1mm