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- a) Solidworks 2020 APM Win Machine
- b)
- c)
- d)

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APM Win Machine

Solidworks 2018

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Solidworks 2018 APM Win Machine

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## **Annotation**

In this diploma, was calculated the static strength of the blade wall of the vertical wind turbine. The calculation was performed in the software package Solidworks 2018 and APM Win Machine without simplifying the structure of the part. A program was developed to calculate the strength of the blade structures, two types of material were used, and various criteria for failure were found out. It is shown that the blade design meets the requirements. In addition, the diploma contains basic information about wind generators, in particular about vertical wind generators: types, features, differences, etc.

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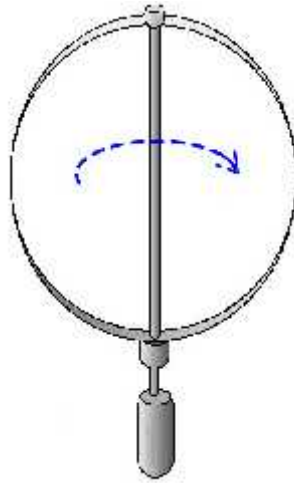
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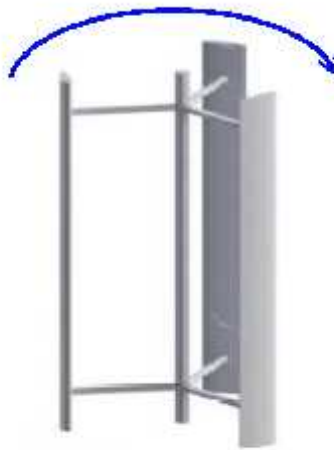


1.5- -Darrieus

Giromill

-Darrieus

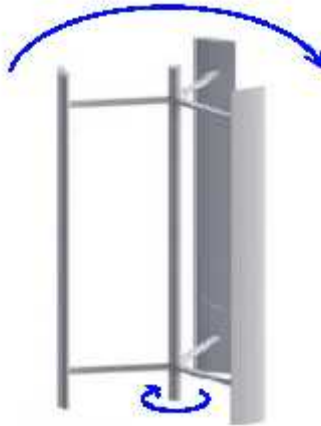
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1.6- -Giromill

Cycloturbine-

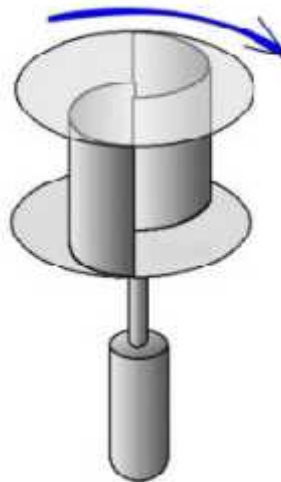
Giromill



1.7- - Cycloturbine

Savonius

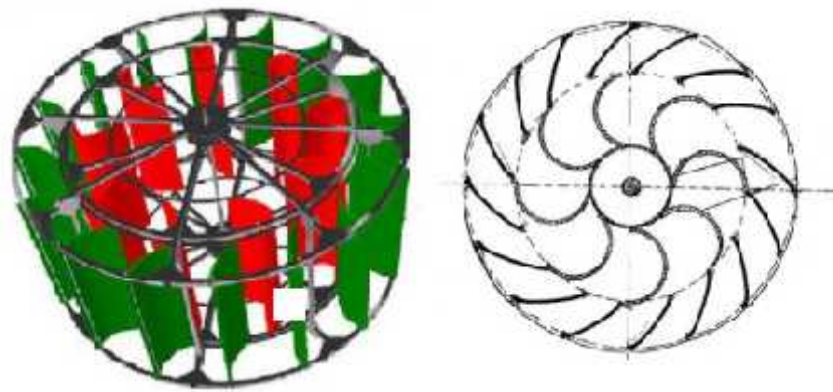
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1.8- - Savonius

Vortexis

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1.9- - Vortexis

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Darrieus

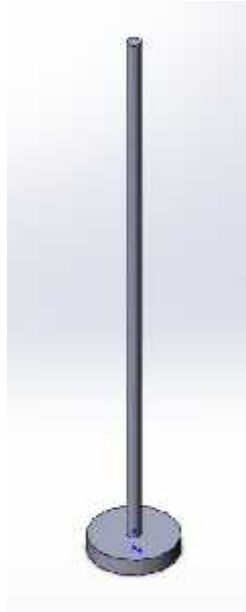
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2.1-

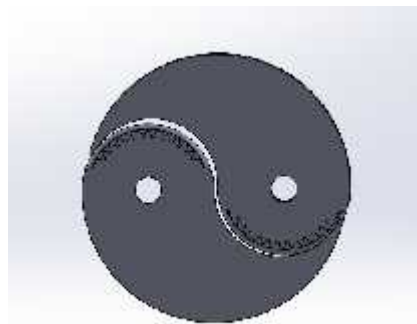
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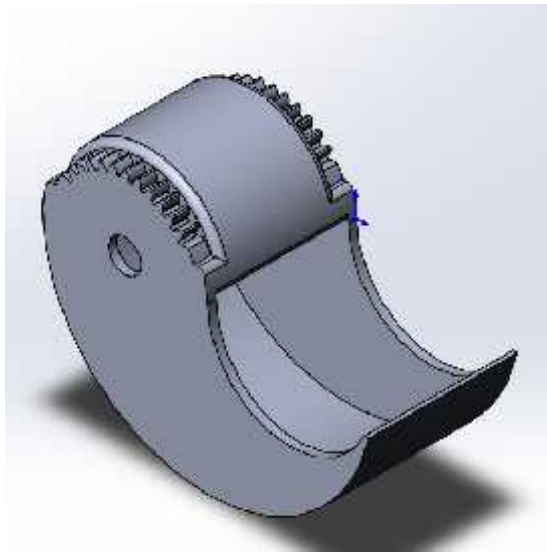


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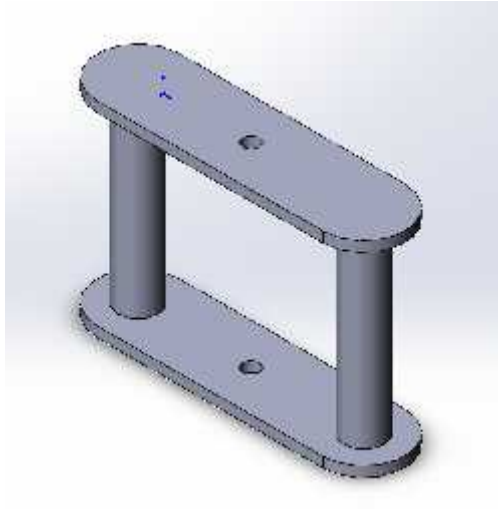
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35, 40, 45, 50

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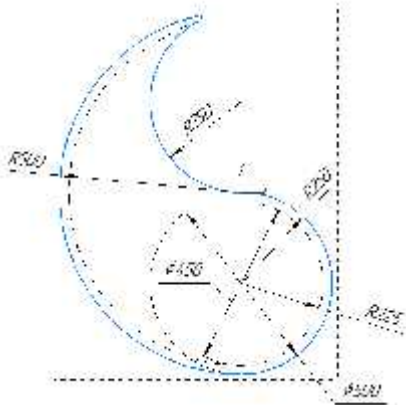
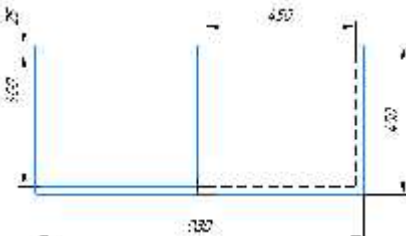
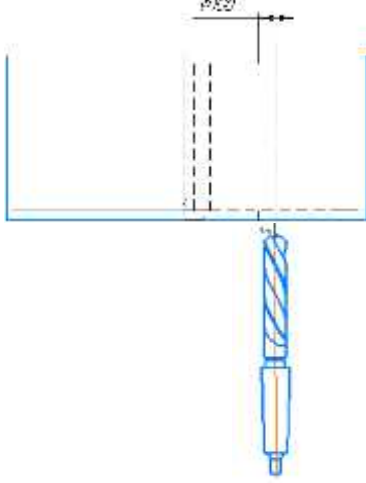


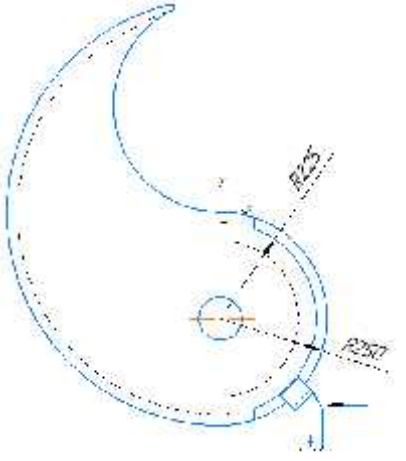
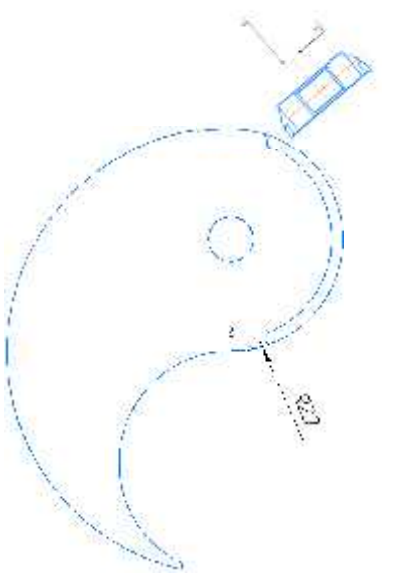
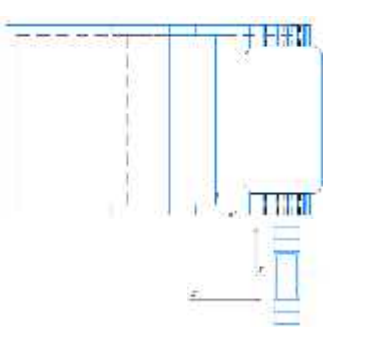
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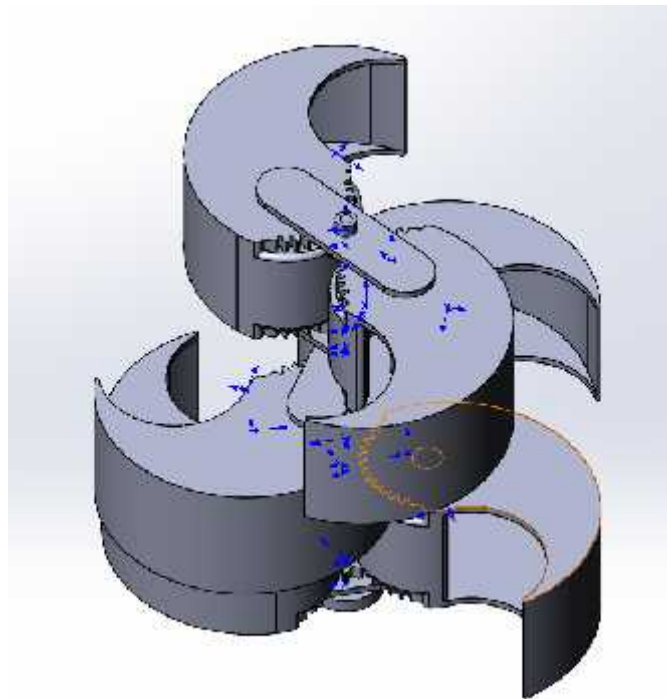


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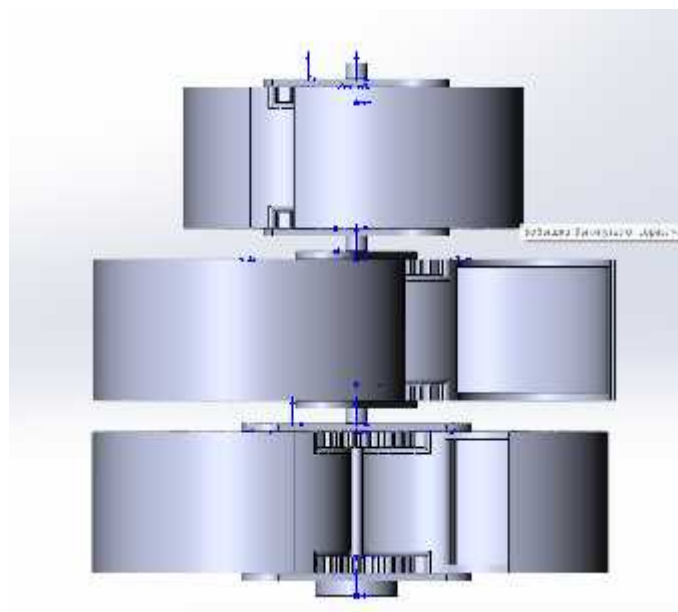
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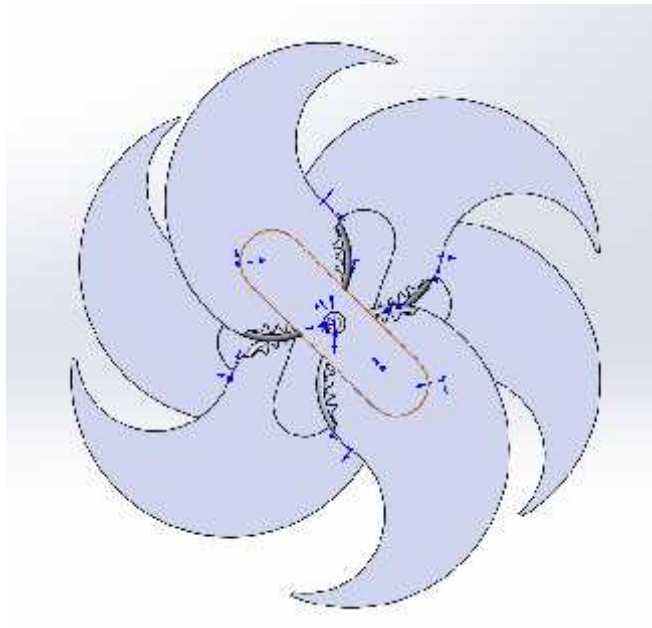
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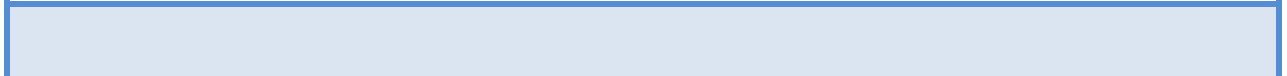
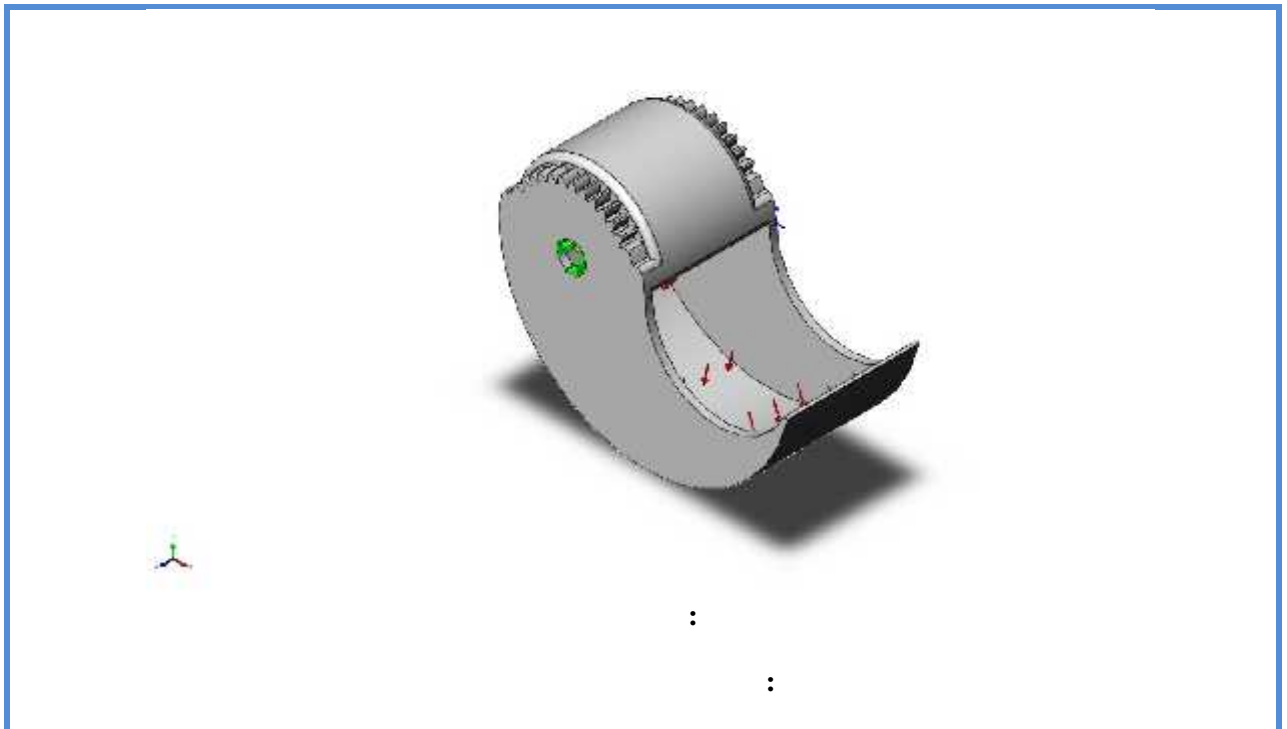
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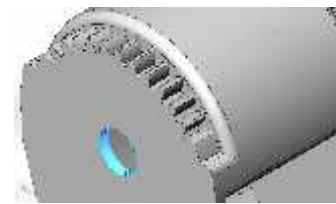
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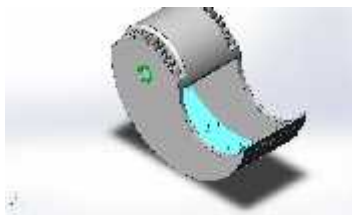
### 3.5

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### 3.6

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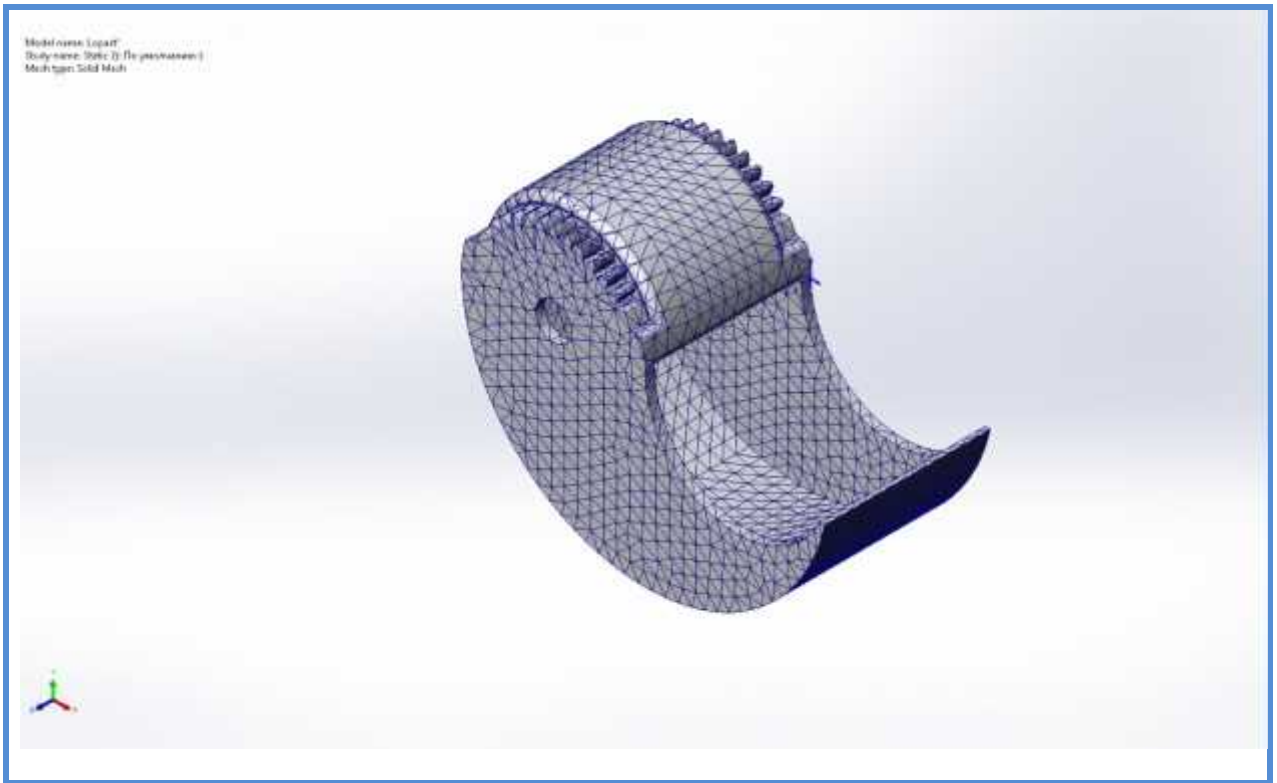
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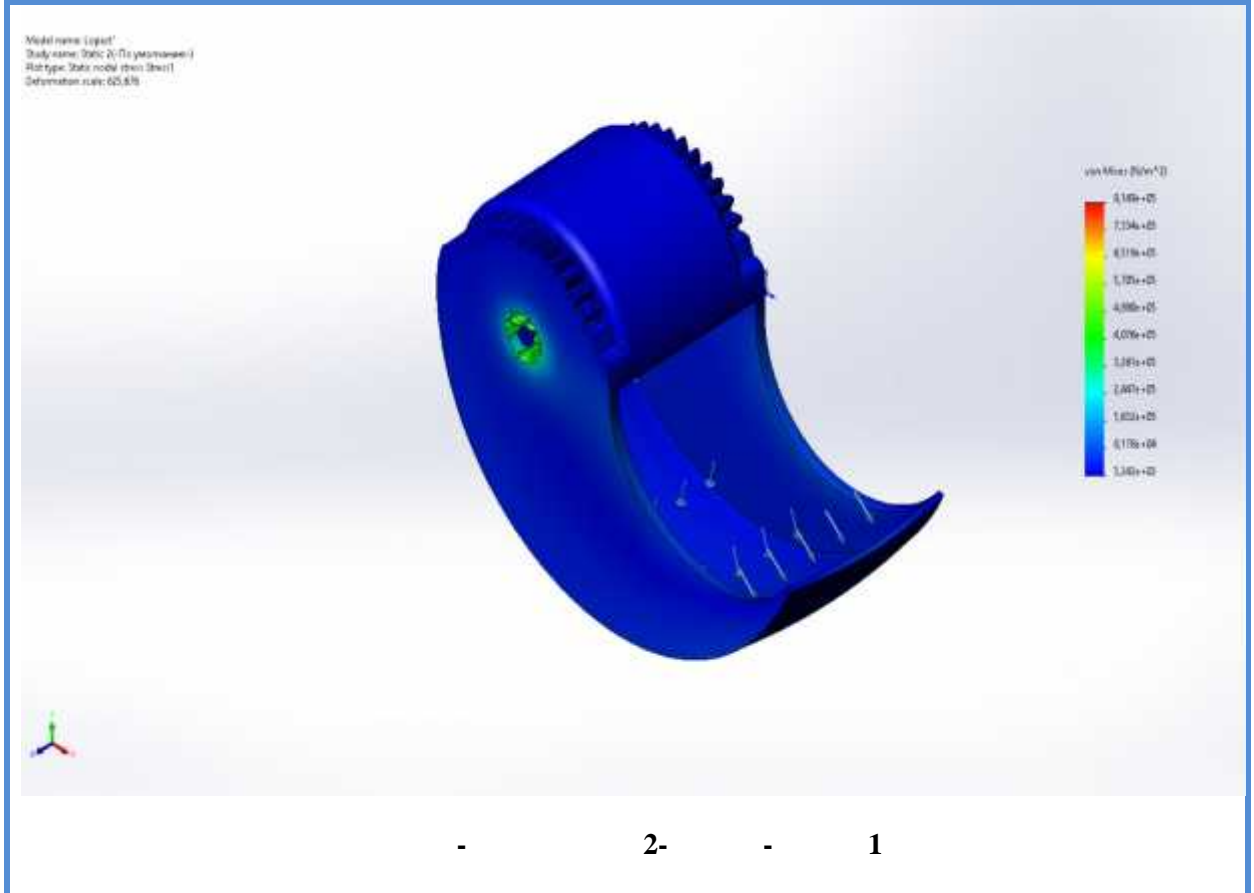
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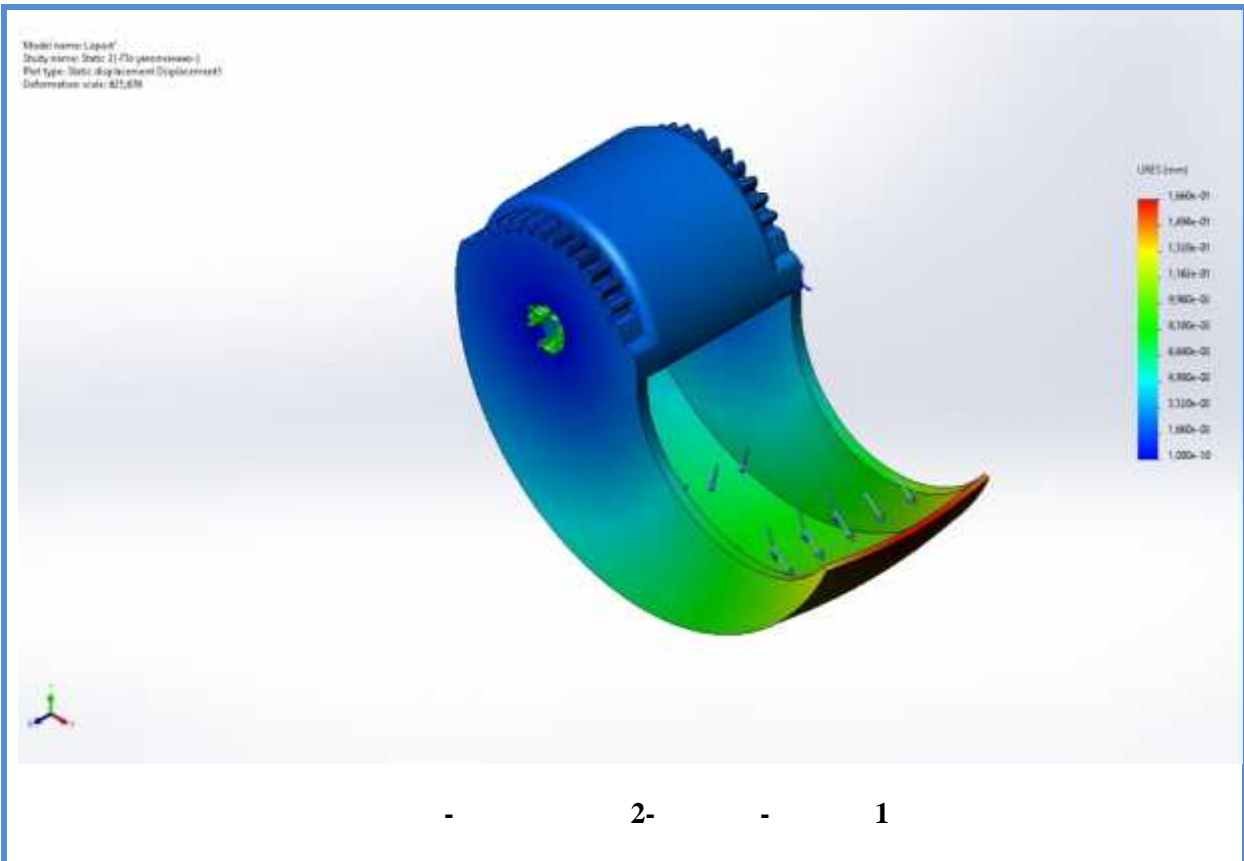
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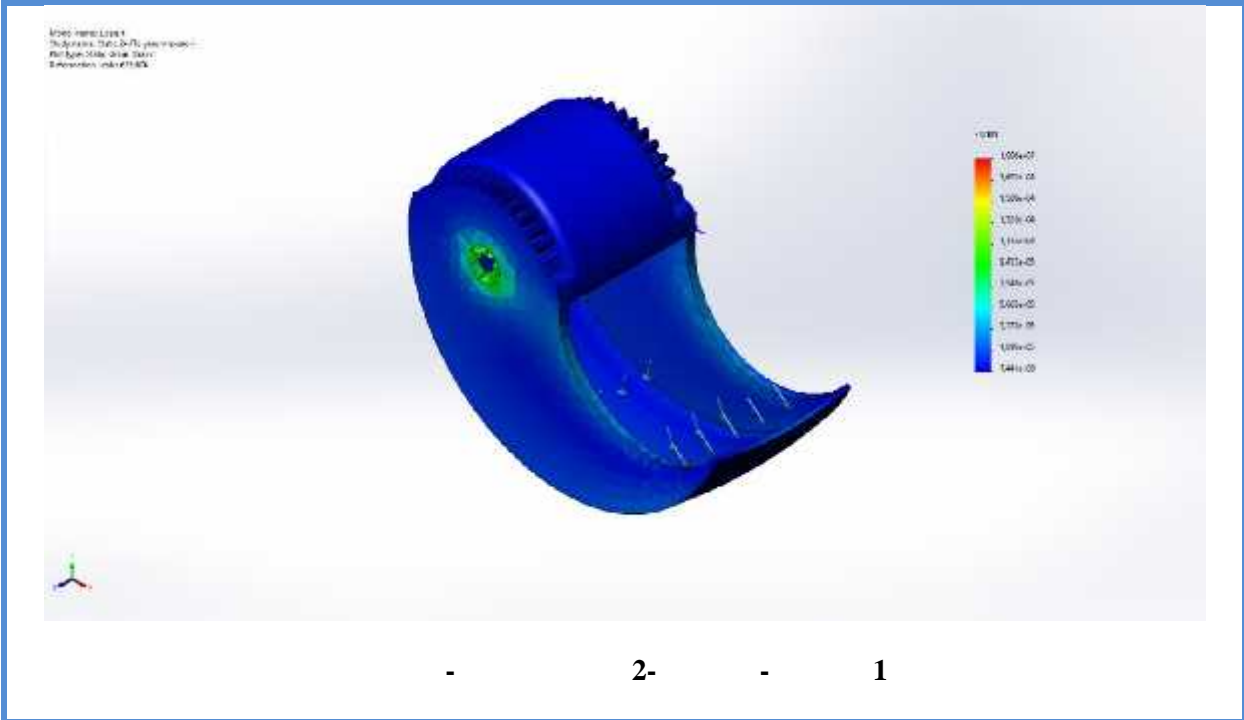
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### 3.14 Apm Win Machine

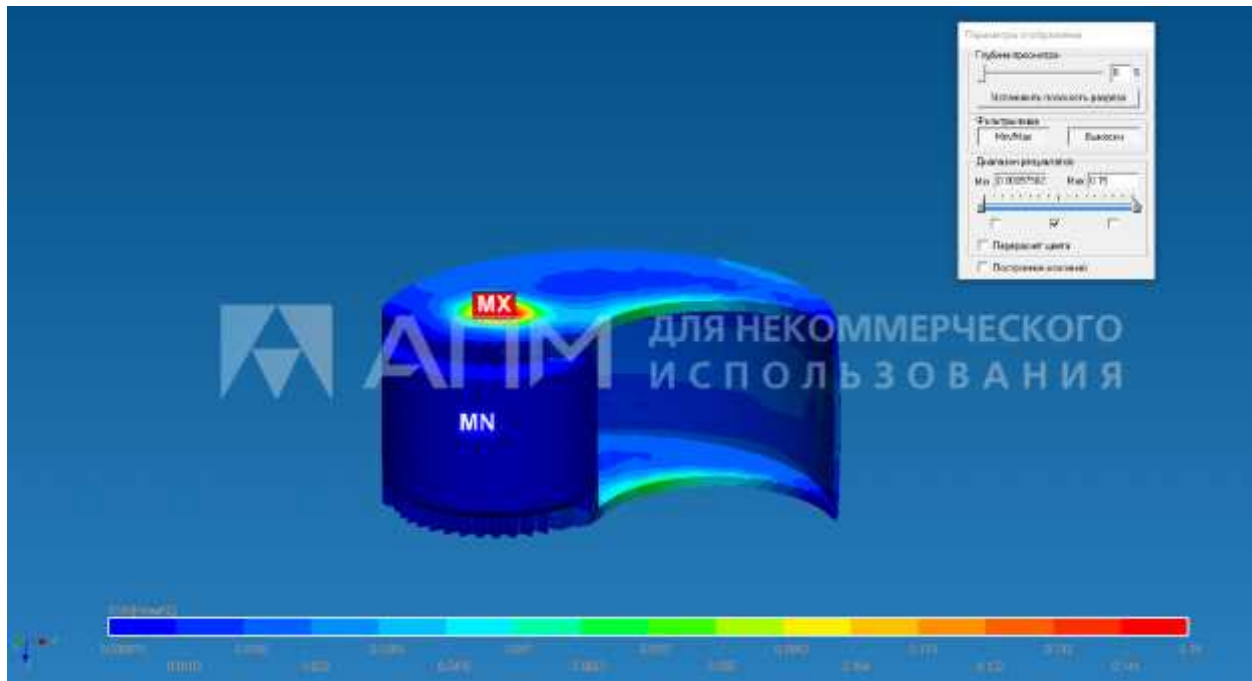
Solidworks

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Apm Win Machine

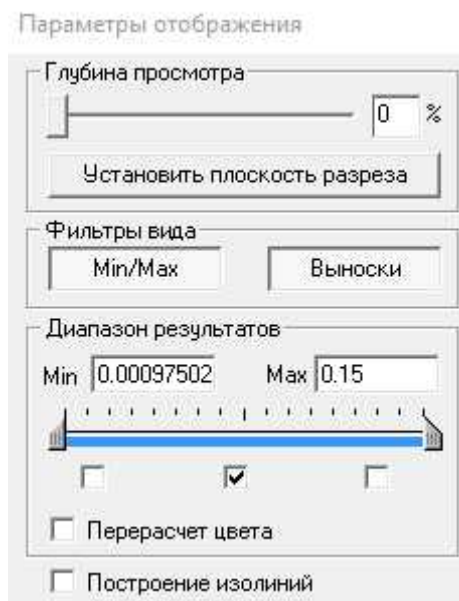
.Apm Integrator

Apm Studio

Apm Studio -



3.1- -Apm Studio



3.2- -





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2. . . .  
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8. . . . « . . . » 1938  
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9. , P.P. «  
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10. , . . . « . . . » / . . .
11. , . . .  
, A.M. / A.M. , . . . , JI.H.  
/2010. - 2. - 90-94 .
12. . . . - , . :  
, 1972, 2 . , 695 .

