

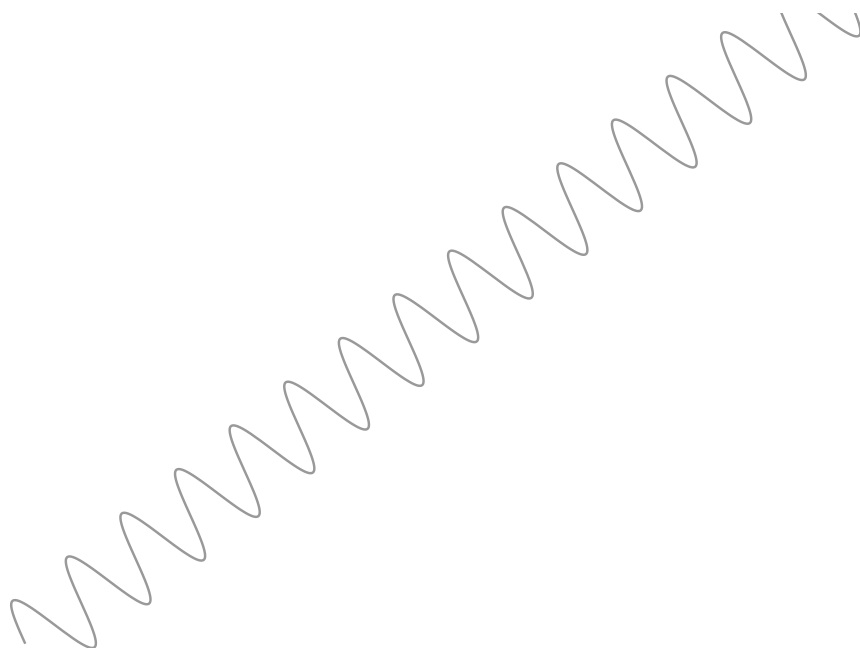
```

In[ ]:= faktordebelina = .5;
SlikaVzmeti[r2_, ravna_, n_, R_, barva_] := ParametricPlot[
  RotationMatrix[{1, 0}, r2].Which[
    u ≤ ravna, {u, 0},
    ravna < u < Norm[r2] - ravna, {u, R Sin[ $\frac{2 \pi n}{\text{Norm}[r2] - 2 \text{ravna}}$  (u - ravna)]},
    Norm[r2] - ravna ≤ u, {u, 0}
  ],
  {u, 0, Norm[r2]},
  Axes → False,
  PlotStyle → Directive[RGBColor[barva], Thickness[faktordebelina * .002]]
];
r2 = {5, 4};
ravna = 0;
n = 40;
R = .1;
barva = .6 {1, 1, 1};
SlikaVzmeti[r2, ravna, n, R, barva]

```

Out[]:=





```

In[ ]:= velčrk = 193.5;
faktordebeline = .5;
grafika = Show[

  SlikaVzmeti[r2, ravna, n, R, barva],
  Graphics[{
    RGBColor[{1, 0, 0}],

    Text[MaTeX["\\color{red}{\\mathbf{" <> ToString[If[# == {0, 0}, "r_1", "r_2"]} <>
      "}]"], FontSize → velčrk], # + {0, .2}],

    Disk[#, .02]
  ] & /@ {
    {0, 0},
    r2
  },

  ΔV = {-1, -3};
  Graphics[{
    Rotate[
      Text[MaTeX["\\color{blue}{\\mathbf{V_2}-\\mathbf{V_1}}", FontSize → velčrk],
        
$$\frac{2r_2 + \Delta V}{2} + \text{RotationMatrix}[\{1, 0\}, \Delta V] \cdot \{0, .2\}]$$
,
      VectorAngle[{1, 0}, -ΔV],
      RGBColor[{0, 0, 1}],
      Arrowheads[faktordebeline * .04],
      Thickness[faktordebeline * .005],
      Arrow[{r2, r2 + ΔV}]
    ]],

    Graphics[{
      Rotate[
        Text[MaTeX["\\color{red}{\\mathbf{r_1}-\\mathbf{r_2}}", FontSize → velčrk],
          
$$\frac{r_2}{2} + \text{RotationMatrix}[\{1, 0\}, r_2] \cdot \{0, .2\}]$$
,
          VectorAngle[{1, 0}, r2],

          RGBColor[{1, 0, 0}],
          Arrowheads[faktordebeline * .04],
          Thickness[faktordebeline * .005],
          Arrow[{r2, {0, 0}}]
        ]],

      ImageSize → 4 * 1920
    ];
  Export["c:\\Users\\gal\\Documents\\ŠOLA\\NAR\\fiz\\rn.aviončki\\grafi\\zavorna
    sila vzmeti.png", grafika]

Out[ ]:= c:\\Users\\gal\\Documents\\ŠOLA\\NAR\\fiz\\rn.aviončki\\grafi\\zavorna sila vzmeti.png

In[ ]:= SystemOpen[
  "c:\\Users\\gal\\Documents\\ŠOLA\\NAR\\fiz\\rn.aviončki\\grafi\\zavorna sila
    vzmeti.png"]

```

```
In[ ]:= SystemOpen[  
  "c:\\Users\\gal\\Documents\\ŠOLA\\NAR\\fiz\\rn.aviončki\\grafi\\zavorna sila  
  vzmeti.png"]
```

```
In[ ]:= SystemOpen[  
  "c:\\Users\\gal\\Documents\\ŠOLA\\NAR\\fiz\\rn.aviončki\\grafi\\zavorna sila  
  vzmeti.png"]
```

```
In[ ]:= SystemOpen[  
  "c:\\Users\\gal\\Documents\\ŠOLA\\NAR\\fiz\\rn.aviončki\\grafi\\zavorna sila  
  vzmeti.png"]
```

```
In[ ]:= SystemOpen[  
  "c:\\Users\\gal\\Documents\\ŠOLA\\NAR\\fiz\\rn.aviončki\\grafi\\zavorna sila  
  vzmeti.png"]
```

```
In[ ]:= SystemOpen[  
  "c:\\Users\\gal\\Documents\\ŠOLA\\NAR\\fiz\\rn.aviončki\\grafi\\zavorna sila  
  vzmeti.png"]
```