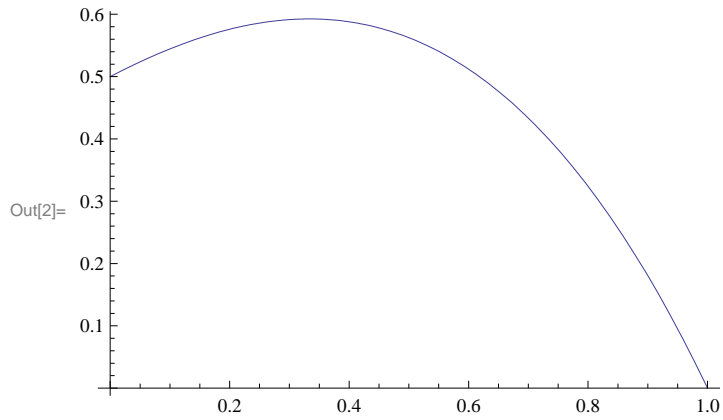


(\*Funcion y limite de Betz\*)

In[1]:=  $F = (1 + x) (1 - x^2) / 2$

Out[1]=  $\frac{1}{2} (1 + x) (1 - x^2)$

In[2]:=  $\text{Plot}[F, \{x, 0, 1\}]$



In[5]:=  $\text{Derivada} = \partial_x F$

Out[5]=  $-x (1 + x) + \frac{1}{2} (1 - x^2)$

In[6]:=  $\text{Solve}[\text{Derivada} == 0, x]$

Out[6]=  $\left\{ \left\{ x \rightarrow -1 \right\}, \left\{ x \rightarrow \frac{1}{3} \right\} \right\}$

In[7]:=  $F /. x \rightarrow \frac{1}{3}$

Out[7]=  $\frac{16}{27}$