

In[30]:= **MyFu**[x_, y_] := **ArcTan** $\left[\frac{x}{x^2 + y^2 - 1}\right]$

In[32]:= **MyFu**[1, 1]

Out[32]= $\frac{\pi}{4}$

In[33]:= **Simplify**[$\partial_{x,x}$ **MyFu**[x, y]]

Out[33]=
$$\frac{2 x \left(-2 + x^4 + 5 y^2 - 3 y^4 - 2 x^2 (-1 + y^2)\right)}{\left(x^4 + (-1 + y^2)^2 + x^2 (-1 + 2 y^2)\right)^2}$$

In[34]:= **Simplify**[$\partial_{y,y}$ **MyFu**[x, y]]

Out[34]=
$$-\frac{2 x \left(1 + x^4 + 2 y^2 - 3 y^4 - x^2 (1 + 2 y^2)\right)}{\left(x^4 + (-1 + y^2)^2 + x^2 (-1 + 2 y^2)\right)^2}$$

In[35]:= **Simplify**[$\partial_{x,x}$ **MyFu**[x, y] + $\partial_{y,y}$ **MyFu**[x, y]]

Out[35]=
$$\frac{6 x \left(-1 + x^2 + y^2\right)}{\left(x^4 + (-1 + y^2)^2 + x^2 (-1 + 2 y^2)\right)^2}$$