

```
restart
with(plots) :
```

```
plot2D := proc (R :: Vector[column], VAR :: list)
  local plot3dd, plot2dd :
  plot3dd := plot3d(⟨R[1], R[2], 0⟩, u = VAR[1]..VAR[2], v = VAR[3]..VAR[4]) :
  plot2dd := plottools[transform](⟨x, y, z⟩ → [x, y])(plot3dd) :
  return plot2dd
end proc:
```

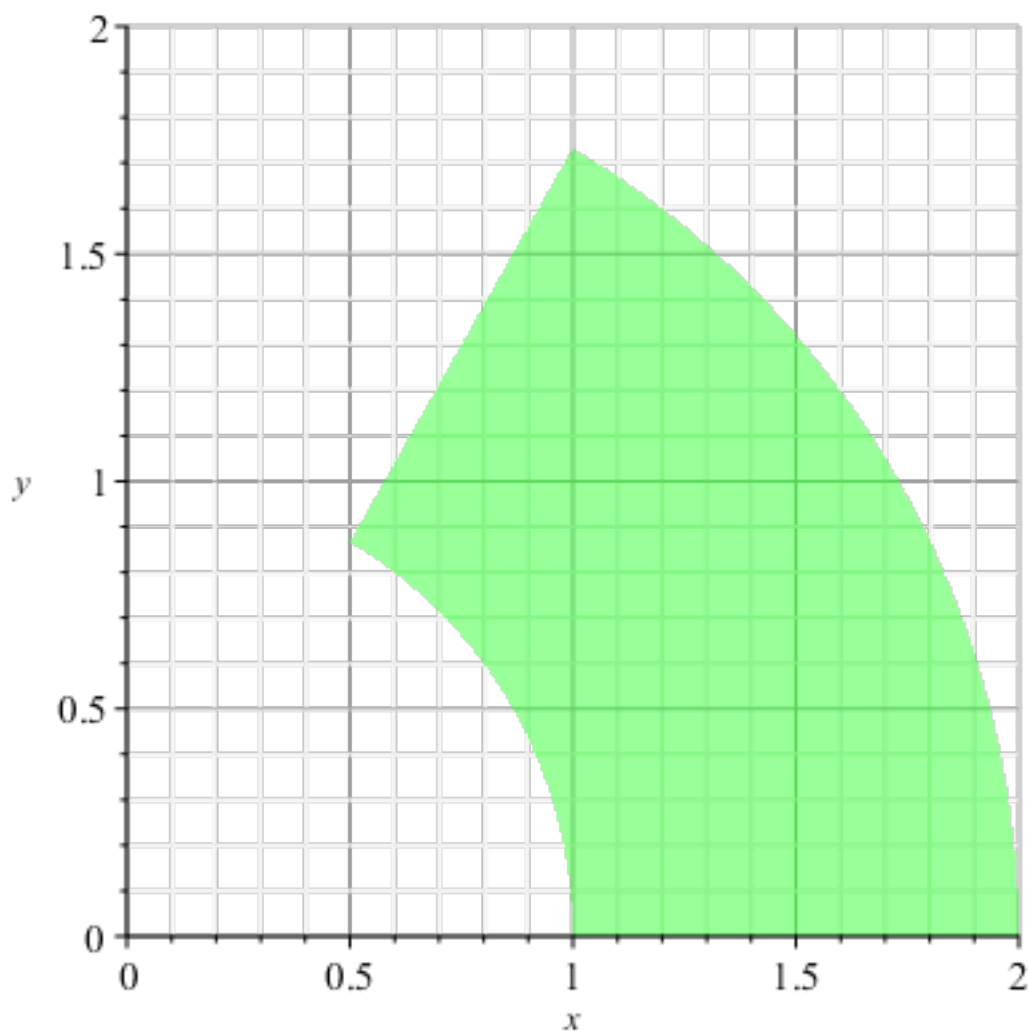
▼ Eksempel 1

Forskriften for parametriseringen angives som "expression" og parameterområderne som "list":

```
R := ⟨v·cos(u), v·sin(u)⟩ :
```

```
INT := [0,  $\frac{\pi}{3}$ , 1, 2] :
```

```
display(plot2D(R, INT), color = green, gridlines, style = surface, transparency = 0.6, view = [0..2, 0..2], labels = [x, y])
```



▼ Eksempel 2

Forskriften for parametriseringen angives som "expression" og parameterområderne som "list":

$R := \langle v^4 \cdot \sin(u) \cdot \cos(u), v^2 \cdot \cos(u) \rangle :$

$INT := \left[0, \frac{\pi}{2}, \frac{4}{5}, 1 \right] :$

$display(plot2D(R, INT), color = blue, gridlines, style = surface, transparency = 0.6, view = [0..1, 0..1], labels = [x, y])$

