Curves

- Mathe 3 (CES)
- WS20
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```
using PlutoUI, Plots, Calculus
```

```
Plots.PlotlyBackend()
```

```
plotly()
```

Define a Curve

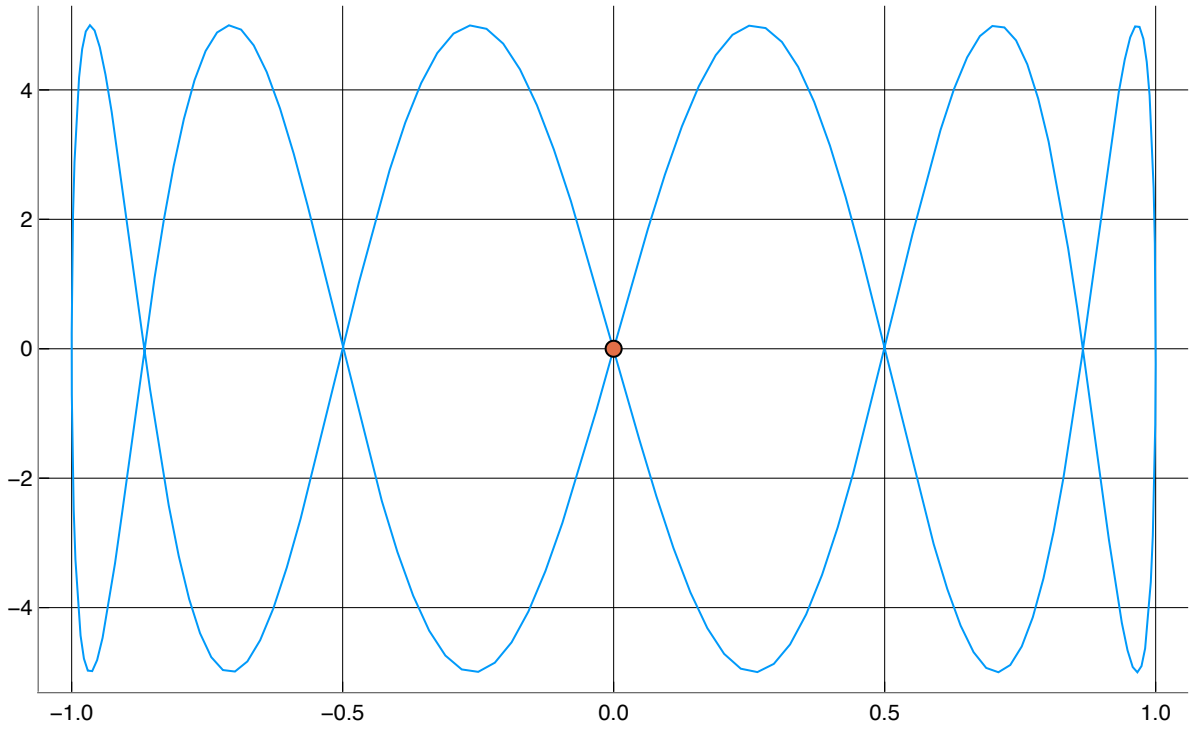
Define the curve γ:

$$\gamma : [0, 6\pi] \to \mathbb{R}^2, t \mapsto \gamma(t) = (\sin(t/3), 5\sin(2t))^T$$

```
γ (generic function with 1 method)
```

```
γ(t) = [sin(t/3), 5sin(2t)]
```


```
@bind t Slider(0:π/20:6π, show_value=true)
```




```
begin
    plot(t->γ(t)[1], t->γ(t)[2], 0, 6π, leg=false)
    scatter!([γ(t)[1]], [γ(t)[2]])
end
```