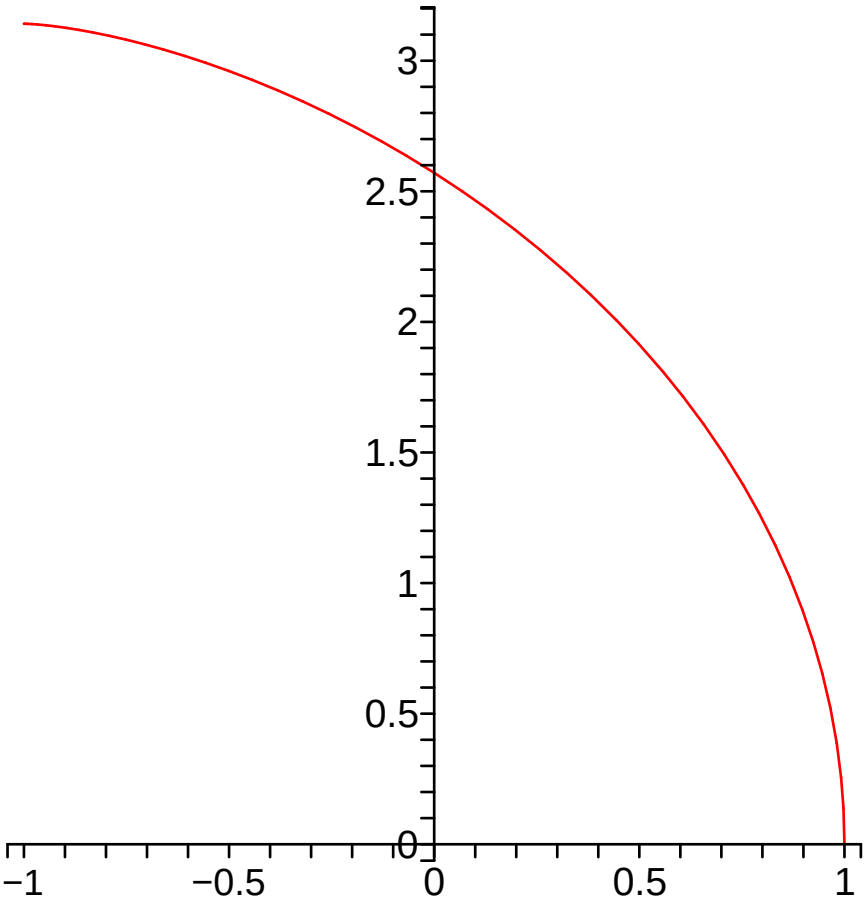
```
> # Parametric plot and arc length.
> restart;
> f:=cos(t);
  g:=t+sin(t);
```

$$f := \cos(t)$$

$$g := t + \sin(t)$$

```
> plot([f,g,t=0..Pi]);
```




```
> dfdt:=diff(f,t);
  dgdt:=diff(g,t);
```

$$dfdt := -\sin(t)$$

$$dgdt := 1 + \cos(t)$$

```
> L:=int(sqrt(dfdt^2+dgdt^2),t=0..Pi);
```

$$L := 4$$

```
>
```