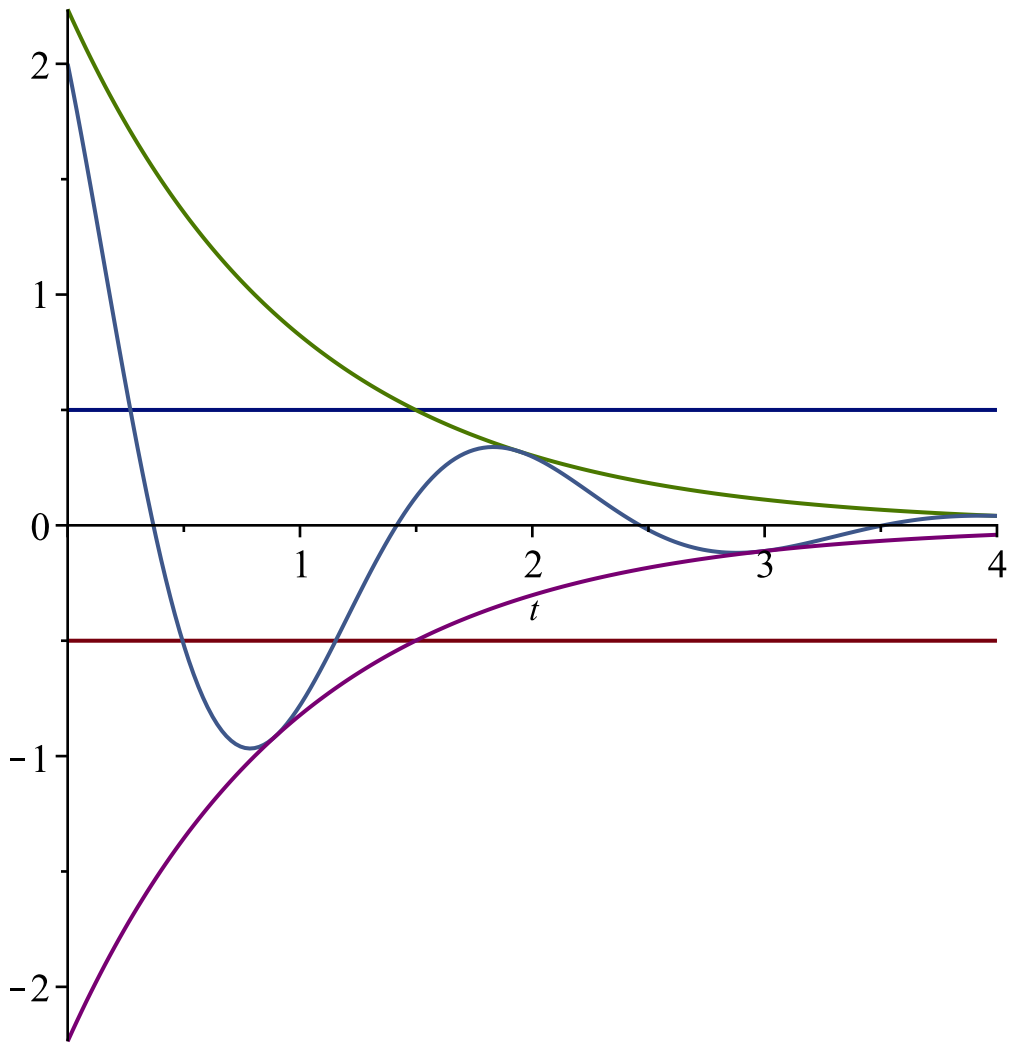


```
> y := t -> exp(-t)*(2*cos(3*t)-sin(3*t));
```

```
y := t ↦ e-t (2 cos(3 t) - sin(3 t))
```

(1)

```
> plot( {y(t),sqrt(5)*exp(-t),-sqrt(5)*exp(-t),.5,-.5} , t=0..4);
```



```
> fsolve(y(t)=-1/2 , t , 1..1.5);
```

```
1.153657536
```

(2)

```
> ?fsolve
```