Hledání inflexních bodu

```
> with(plots):
> f:=x->sin(x);
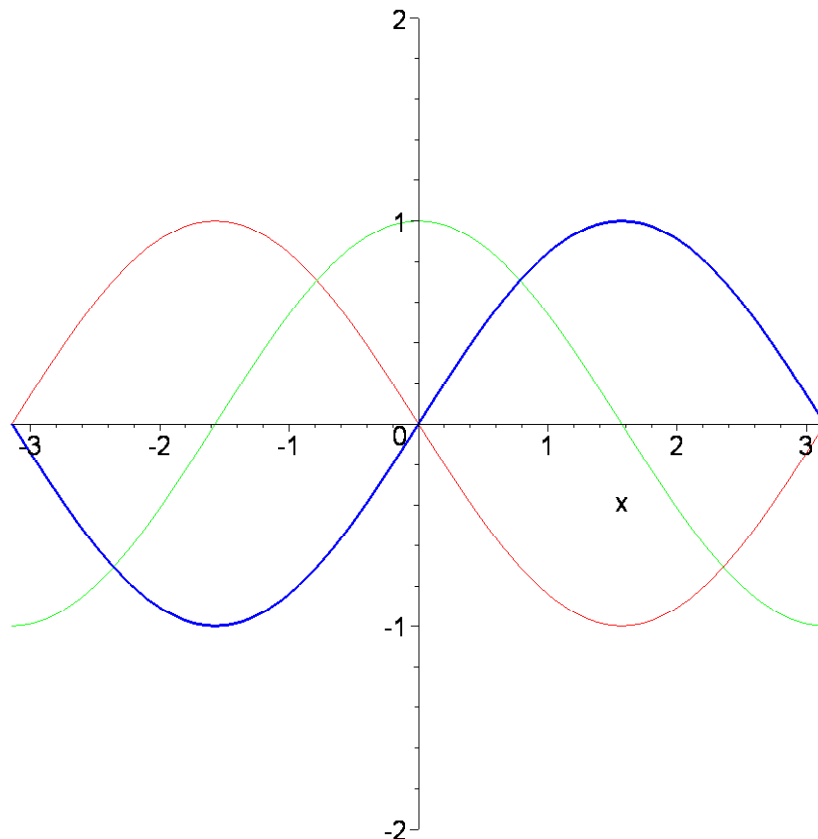```
$$f := x \rightarrow \sin(x)$$

```
> Df1:=diff(f(x),x);
```
$$Df1 := \cos(x)$$

```
> Df2:=diff(f(x),x$2);
```
$$Df2 := -\sin(x)$$

```
> plot([f(x),Df1,Df2],x=-Pi..Pi,-2..2,thickness=[3,1,1],
  color=[blue,green,red]);
```



```
>
> extremy:=[solve([Df1=0,x>-Pi, x<Pi],AllSolutions, Explicit)];
```
$$extremy := \left[\{ x = -\frac{\pi}{2} \}, \{ x = \frac{\pi}{2} \} \right]$$

```
> inflexe:=[solve([Df2=0,x>-Pi, x<Pi],AllSolutions, Explicit)];
```
$$inflexe := [\{ x = 0 \}]$$

```
>
>
> Credit:= "I&C, p. 112" ;
```
$$Credit := \text{"I\&C, p. 112"}$$

```
>
```