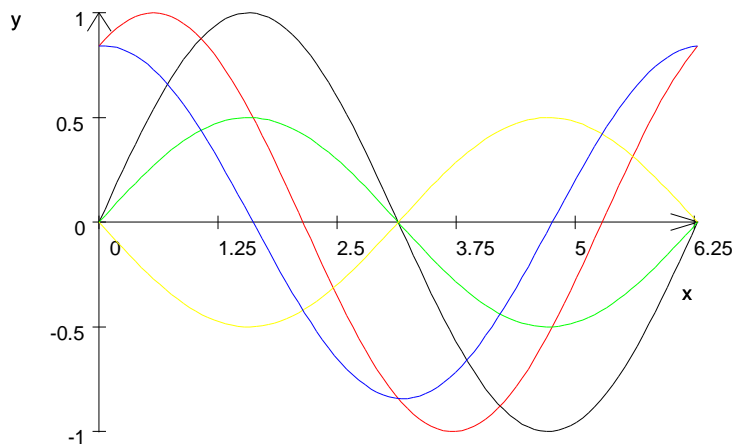


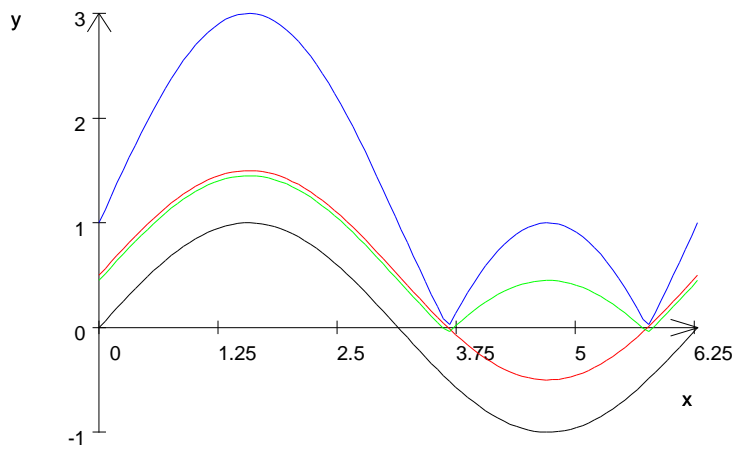
$$f(x) = \sin(x+1) - 0.5 \cdot \sin(x)$$

- `f := plot::Function2d(sin(x), x = 0..2*PI, Color = RGB::Black):`
- `g := plot::Function2d(sin(x + 1), x = 0..2*PI, Color = RGB::Red):`
- `h := plot::Function2d(0.5 * sin(x), x = 0..2*PI, Color = RGB::Green):`
- `k := plot::Function2d(-0.5 * sin(x), x = 0..2*PI, Color = RGB::Yellow):`
- `l := plot::Function2d(sin(x + 1) - 0.5 * sin(x), x = 0..2*PI, Color = RGB::Blue):`
- `plot(f(x), g(x), h(x), k(x), l(x), Arrows = TRUE)`



$f(x) = 2 \cdot \text{abs}(0.5 + \sin(x))$ (Um die Sichtbarkeit des Schrittes $h(x)$ zu ermöglichen, wird 0.05 subtrahiert)

- `f := plot::Function2d(sin(x), x = 0..2*PI, Color = RGB::Black):`
- `g := plot::Function2d(0.5 + sin(x), x = 0..2*PI, Color = RGB::Red):`
- `h := plot::Function2d(abs(0.5 + sin(x)) - 0.05, x = 0..2*PI, Color = RGB::Green):`
- `k := plot::Function2d(2*abs(0.5 + sin(x)), x = 0..2*PI, Color = RGB::Blue):`
- `plot(f(x), g(x), h(x), k(x), Arrows = TRUE)`

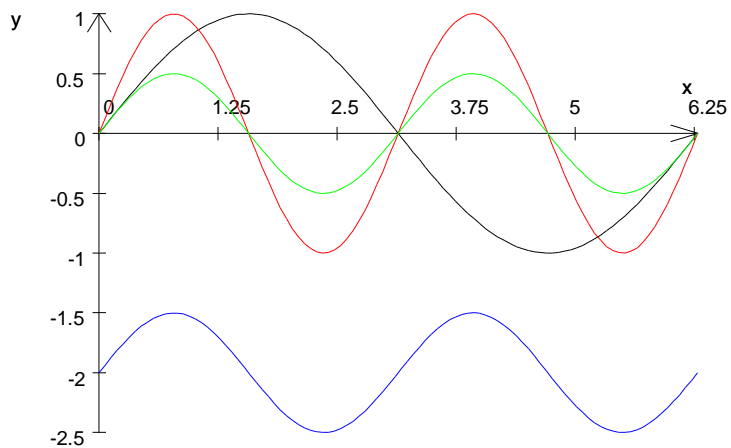


$$f(x) = 0.5 \cdot \sin(2x) - 2$$

- ```

f := plot::Function2d(sin(x), x = 0..2*PI, Color = RGB::Black):
g := plot::Function2d(sin(2 * x), x = 0..2*PI, Color =
 RGB::Red):
h := plot::Function2d(0.5 * sin(2 * x), x = 0..2*PI, Color =
 RGB::Green):
k := plot::Function2d(0.5 * sin(2 * x) - 2, x = 0..2*PI, Color =
 RGB::Blue):
plot(f(x), g(x), h(x), k(x), Arrows = TRUE)

```



$$f(x) = 2(\sin(0.5x)+1)$$

- ```

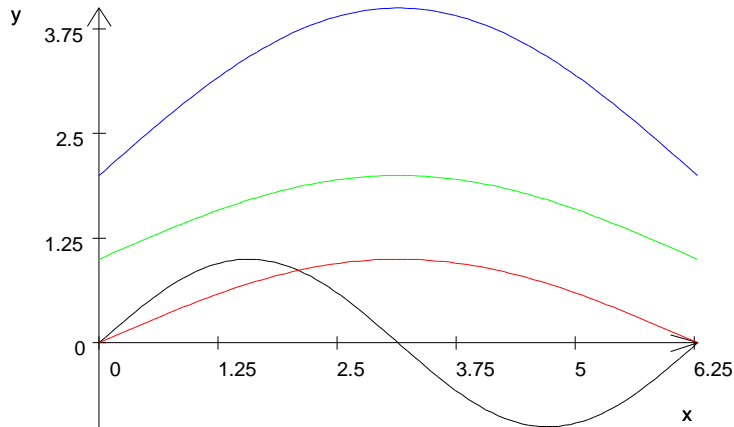
f := plot::Function2d(sin(x), x = 0..2*PI, Color = RGB::Black):
g := plot::Function2d(sin(0.5 * x), x = 0..2*PI, Color =
  RGB::Red):
h := plot::Function2d(sin(0.5 * x) + 1, x = 0..2*PI, Color =

```

```

    RGB::Green):
k := plot::Function2d(2 * (sin(0.5 * x) + 1), x = 0..2*PI, Color
= RGB::Blue):
plot(f(x), g(x), h(x), k(x), Arrows = TRUE)

```

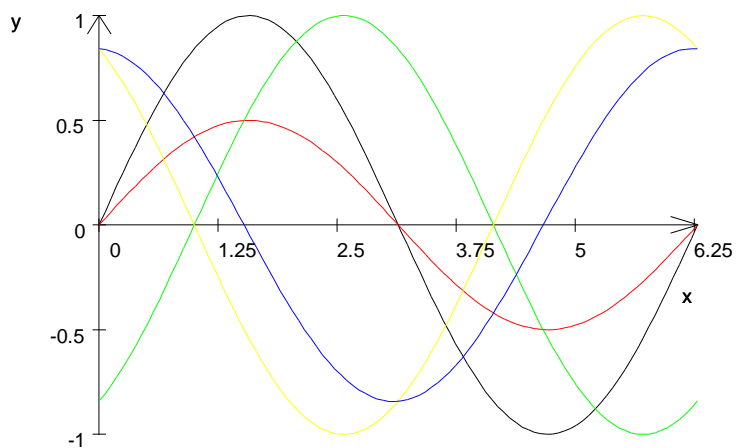


$$f(x) = 0.5 \cdot \sin(x) - \sin(x-1)$$

```

• f := plot::Function2d(sin(x), x = 0..2*PI, Color = RGB::Black):
g := plot::Function2d(0.5 * sin(x), x = 0..2*PI, Color =
RGB::Red):
h := plot::Function2d(sin(x - 1), x = 0..2*PI, Color =
RGB::Green):
k := plot::Function2d(-sin(x - 1), x = 0..2*PI, Color =
RGB::Yellow):
l := plot::Function2d(0.5 * sin(x) - sin(x - 1), x = 0..2*PI,
Color = RGB::Blue):
plot(f(x), g(x), h(x), k(x), l(x), Arrows = TRUE)

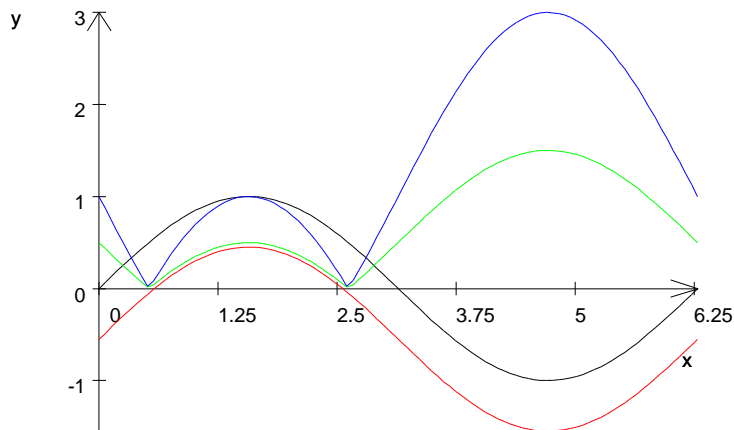
```



$f(x) = 2 * \text{abs}(\sin(x) - 0.5)$
 wird 0.05 subtrahiert)

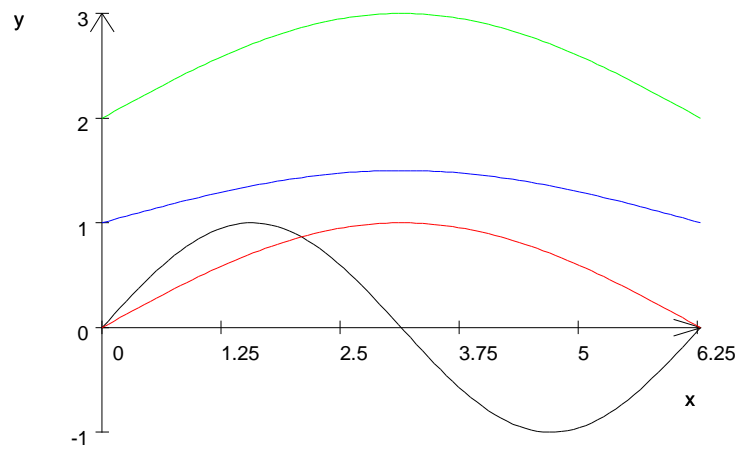
(Um die Sichtbarkeit des Schrittes $g(x)$ zu ermöglichen,

- `f := plot::Function2d(sin(x), x = 0..2*PI, Color = RGB::Black):`
`g := plot::Function2d(sin(x) - 0.5 - 0.05, x = 0..2*PI, Color =`
`RGB::Red):`
`h := plot::Function2d(abs(sin(x) - 0.5), x = 0..2*PI, Color =`
`RGB::Green):`
`k := plot::Function2d(2 * abs(sin(x) - 0.5), x = 0..2*PI, Color =`
`RGB::Blue):`
`plot(f(x), g(x), h(x), k(x), Arrows = TRUE)`



$f(x) = 0.5 * (\sin(0.5x) + 2)$

- `f := plot::Function2d(sin(x), x = 0..2*PI, Color = RGB::Black):`
`g := plot::Function2d(sin(0.5 * x), x = 0..2*PI, Color =`
`RGB::Red):`
`h := plot::Function2d(sin(0.5 * x) + 2, x = 0..2*PI, Color =`
`RGB::Green):`
`k := plot::Function2d(0.5 * (sin(0.5 * x) + 2), x = 0..2*PI,`
`Color = RGB::Blue):`
`plot(f(x), g(x), h(x), k(x), Arrows = TRUE)`



$$f(x) = 2\sin(0.5x) - 1$$

- ```

f := plot::Function2d(sin(x), x = 0..2*PI, Color = RGB::Black):
g := plot::Function2d(sin(0.5 * x), x = 0..2*PI, Color =
 RGB::Red):
h := plot::Function2d(2 * sin(0.5 * x), x = 0..2*PI, Color =
 RGB::Green):
k := plot::Function2d(2 * sin(0.5 * x) - 1, x = 0..2*PI, Color =
 RGB::Blue):
plot(f(x), g(x), h(x), k(x), Arrows = TRUE)

```

