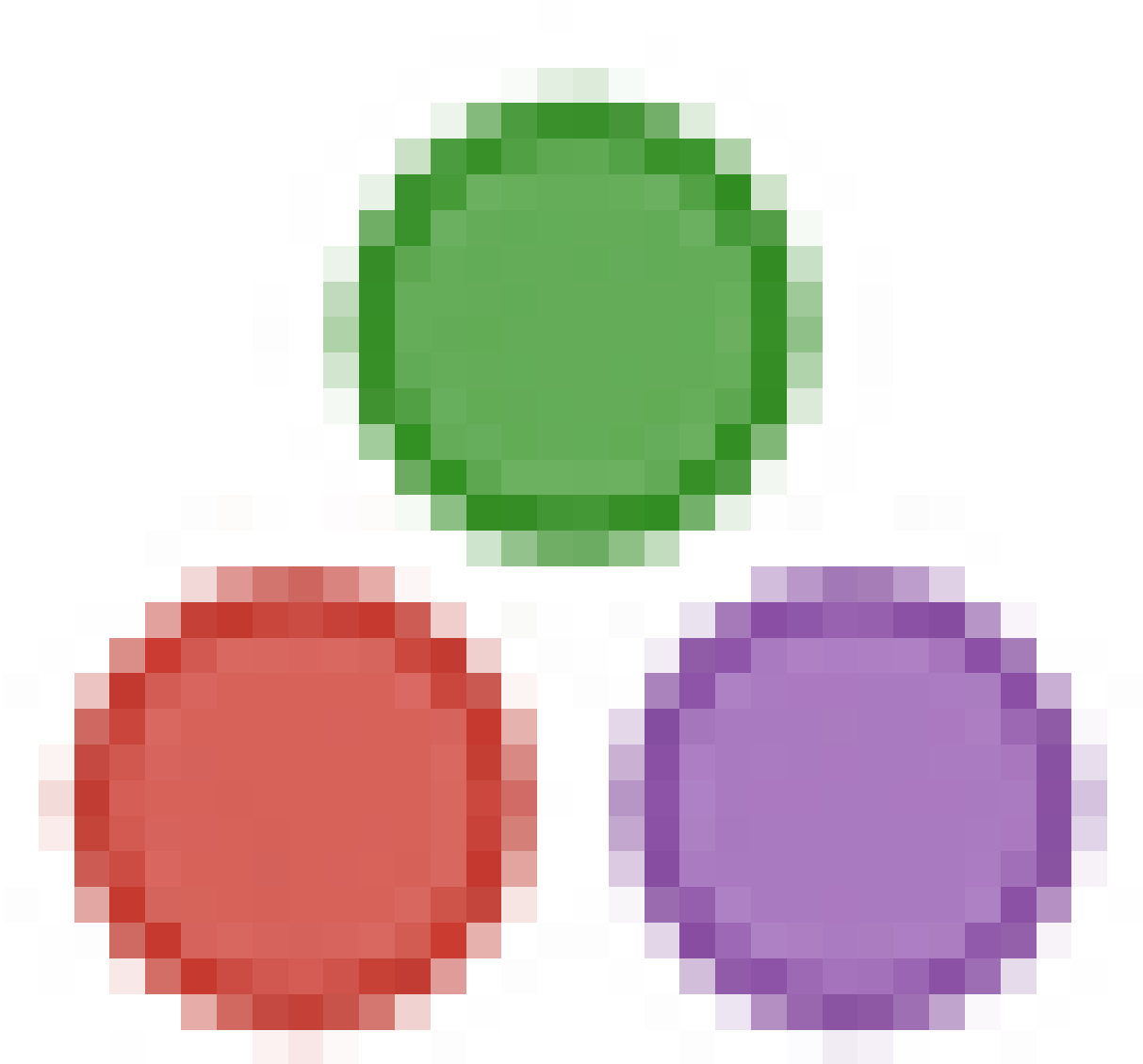
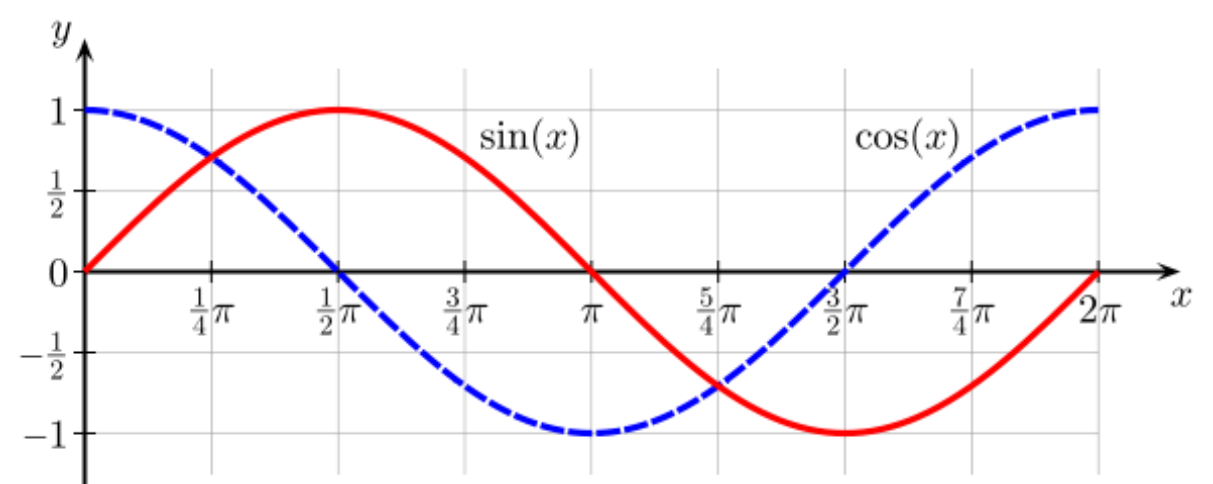


```
using Plots
gr()
default(fmt = :png)
```

[2]: using DataFrames

Using Plots.jl

Plots.jl outputs plots in different formats. It is written in Julia:



```
f(x) = sin(x)
g(x) = cos(x)
h(x) = tan(x)
```

[21]:

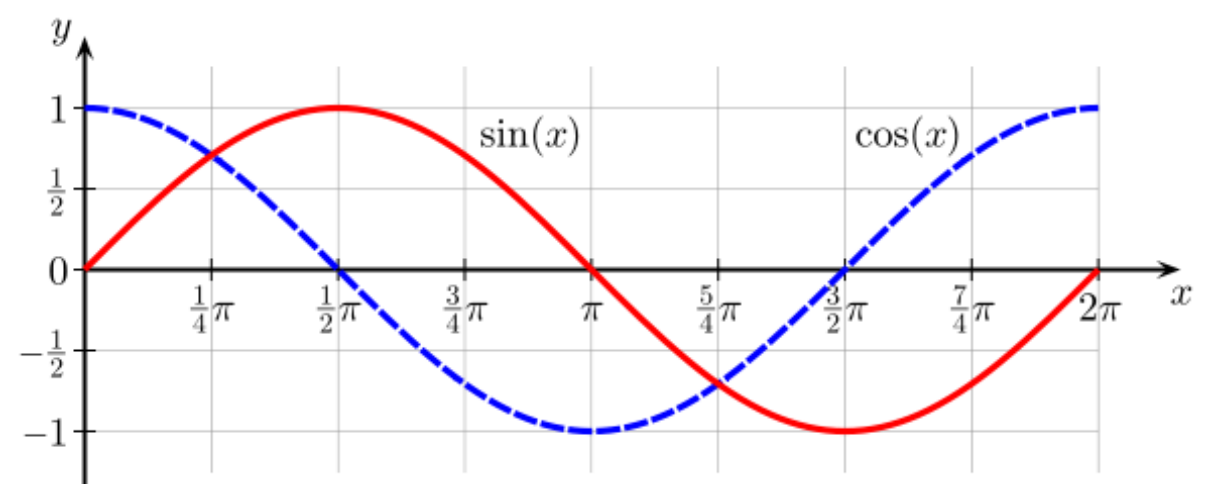
h (generic function with 1 method)

```
xs = LinRange(0, 2pi, 100)
```

[22]:

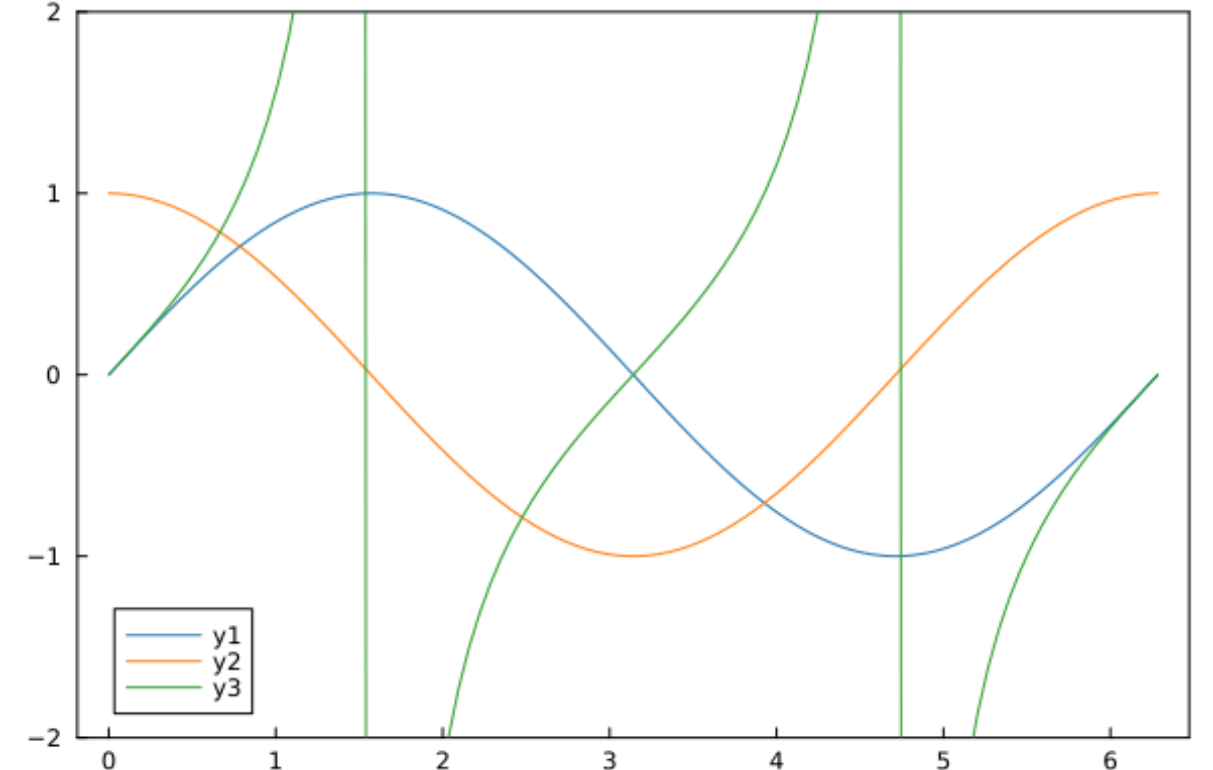
100-element LinRange{Float64, Int64}:
0.0, 0.0634665, 0.126933, 0.1904, ..., 6.09279, 6.15625, 6.21972, 6.28319

These are the trigonometric functions, $\sin(x)$ $\cos(x)$ $\tan(x)$ According to Wikipedia, their graphs look like this:



```
plot(xs, [f, g, h]; ylim = (-2, 2), framestyle = :box, grid = false, palette = :tab10)
```

[23]:



Let's produce an error:

```
i(x)
```

[24]:

UndefVarError: `i` not defined

Stacktrace:
[1] top-level scope
@ In[24]:1

Rich Outputs

We can try some table outputs, for example:

```
df = DataFrame((col1 = ["First", "Second", "Third"], col2 = [1, 2, 3]))
```

[3]:

3×2 DataFrame		
Row	col1 String	col2 Int64
1	First	1
2	Second	2
3	Third	3