

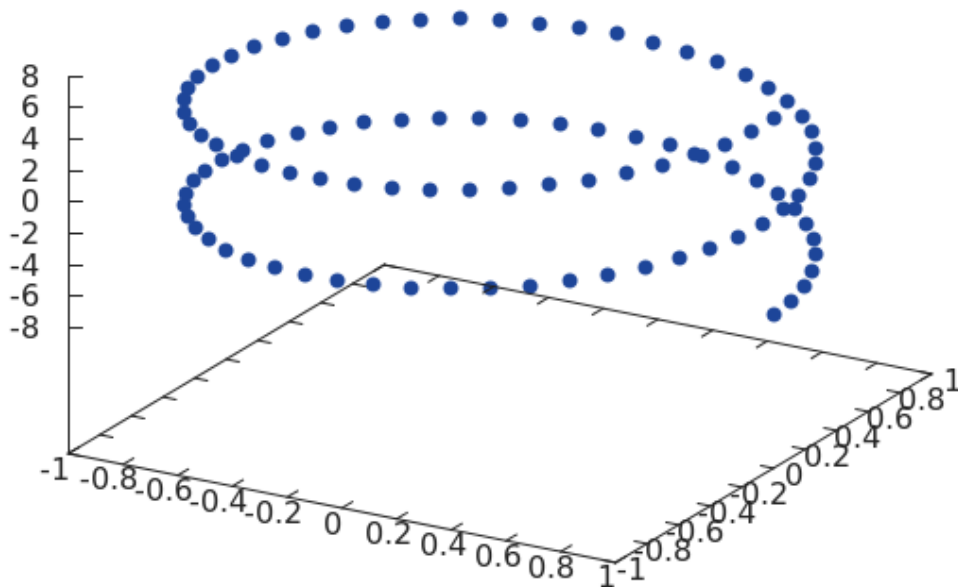
# Plotting 3D Points

Arbitrary 3D point constellations can be plotted using an API similar to the `scatter3` function in Matlab.

## `gnuplot.scatter3(x, y, z)`

Plot `(x_i, y_i, z_i)` triplets in 3D.

```
z = torch.linspace(-2 * math.pi, 2 * math.pi)
x = z.clone():cos()
y = z.clone():sin()
gnuplot.scatter3(x, y, z)
```



It is also possible to specify a header, as well as multiple scatter plot sets on the same axis.

```
z1 = torch.linspace(-2 * math.pi, 2 * math.pi)
x = z1.clone():cos()
y = z1.clone():sin()
z2 = z1.clone():add(math.pi)
gnuplot.scatter3({'pntsA', x, y, z1}, {'pntsB', x, y, z2})
```

