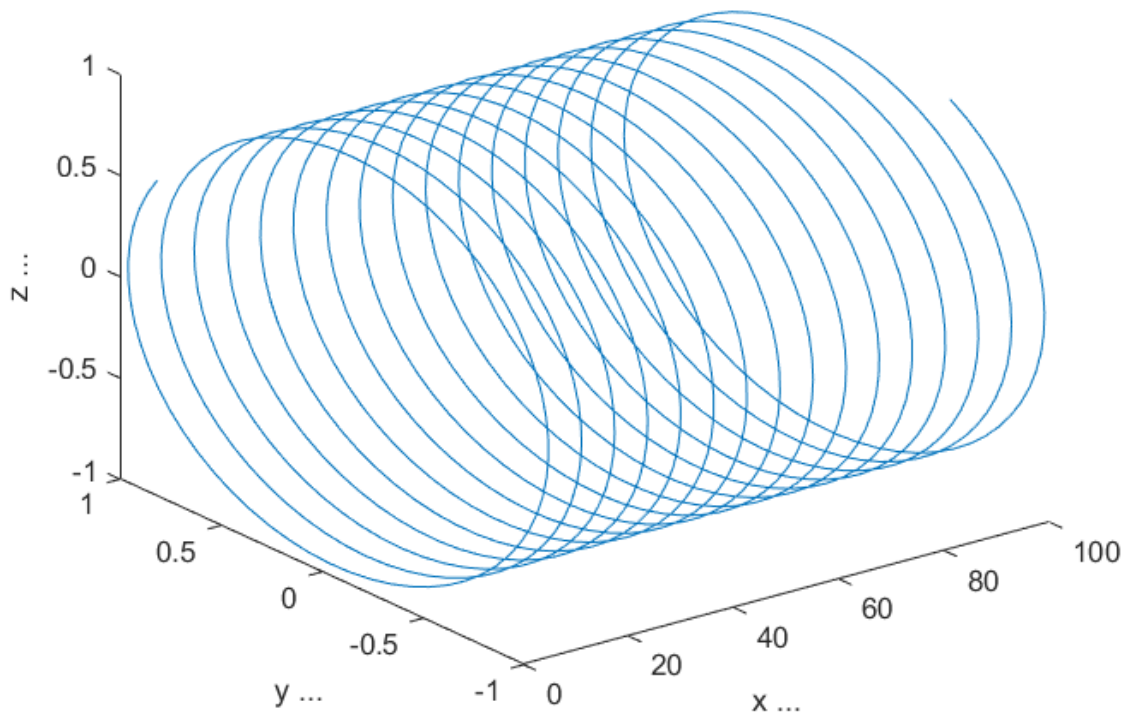


## 1. 3-D plot in ML:

```
x=1:0.1:100;  
y=sin(x);  
% y=x;  
% [X,Y] = meshgrid(x,y);  
z=cos(x);  
% z=x.*x+y.*y;  
plot3(x,y,z);  
% plot3(X,Y,z);  
xlabel('x ...');  
ylabel('y ...');  
zlabel('z ...');
```



## 2. Surface Plot in ML Live Editor:

```
% Size = length(x);  
% CO(:,:,1) = zeros(Size); % red  
% CO(:,:,2) = ones(Size).*linspace(0.5,0.6,Size); % green  
% CO(:,:,3) = ones(Size).*linspace(0,1,Size) % blue Surface Plot in ML
```

```

% [X,Y,Z] = meshgrid(x,y,z);
% surf([X;Y;z],'EdgeColor','interp');
% surf([x;y;z]);
x=1:0.1:10;
y=x;
[X,Y] = meshgrid(x,y);
Z=sin(X)+cos(Y);
% surf(X,Y,Z);
%
% clear CO
% CO(:, :, 1) = ones(91).*linspace(1,0,91); % red
% CO(:, :, 2) = ones(91).*linspace(0,1,91); % green
% CO(:, :, 3) = ones(91).*linspace(0.4,0.6,91); % blue

% surf(X,Y,Z,'EdgeColor','interp');
% surf(X,Y,Z,'EdgeColor','flat');
% surf(X,Y,Z,CO);
surf(X,Y,Z);

mymap = [0 0 0
         1 0 0
         0 1 0
         0 0 1
         1 1 1];
colormap(mymap)

xlabel('x ...');
ylabel('y ...');
zlabel('z ...');
title('Surface plot ...')
colorbar;

```

Surface plot ...

