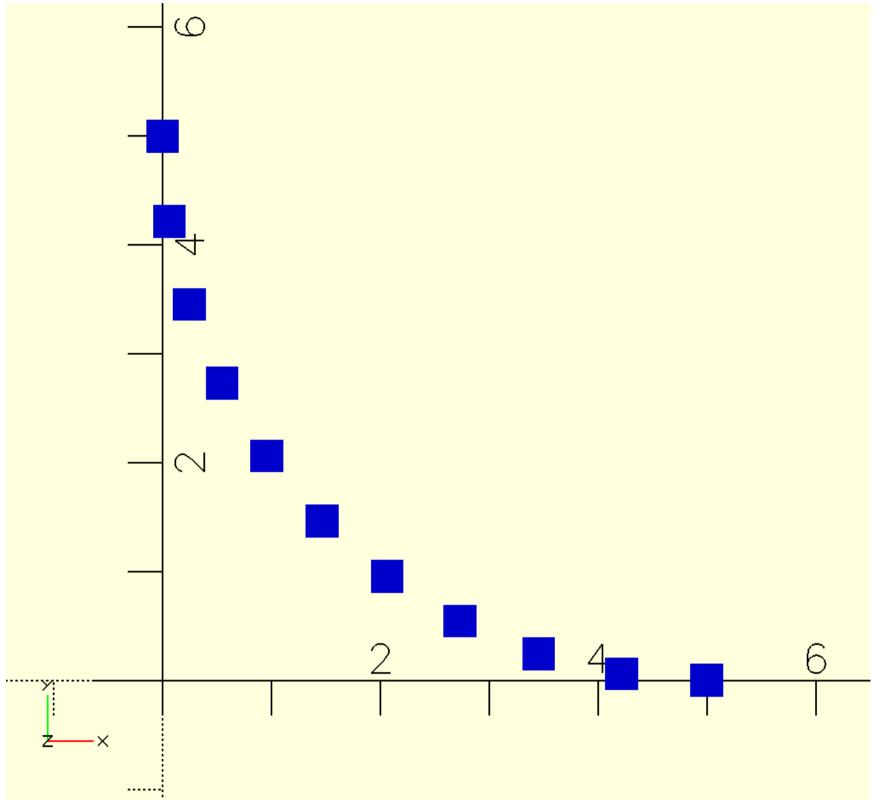
```
In [1]: %reload_ext autoreload
%autoreload 2
from openscad3 import *
set_printoptions(suppress=True)
```

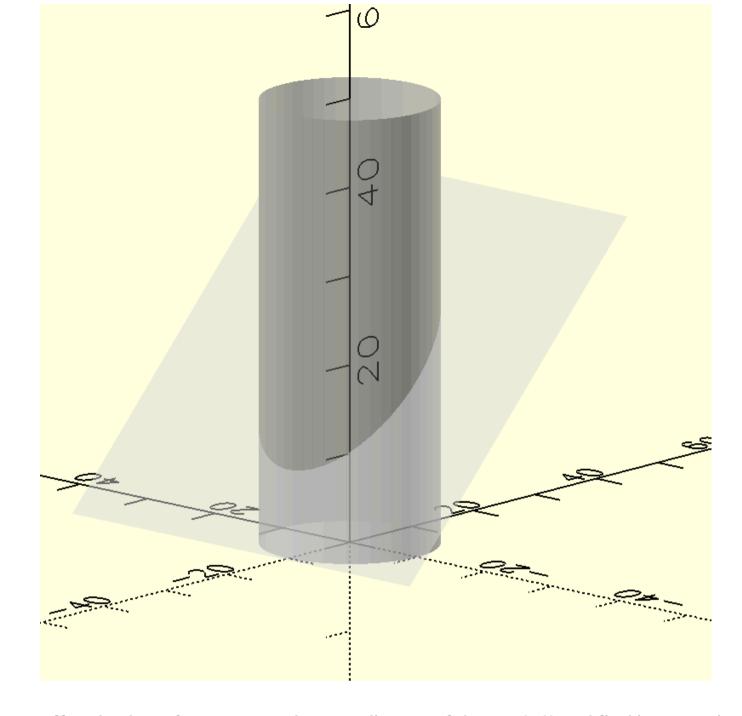
## create an arc of the radius of fillet

```
In [2]: r=5
    a1=cr2dt([[r,0],[-r,0,r],[0,r]],10)
    fo(f'''
    color("blue") points({a1},.3);
    ''')
```

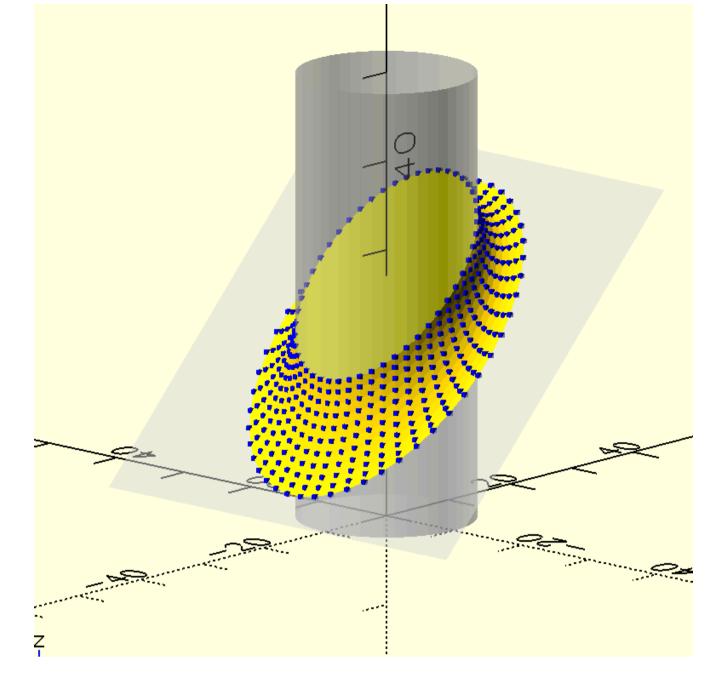


## create the surfaces between which fillet is required

```
In [19]: r=5
    a1=cr2dt([[r,0],[-r,0,r],[0,r]],10)
    c1=cylinder(r=10,h=50)
    p1=plane([-1,0,1],[50,50],[0,0,20])
    fo(f'''
    %{swp_surf(p1)}
    %{swp(c1)}
```



## offset both surfaces as per the coordinates of the arc 'a1' and find intersections



## actual fillet radius does not match the initial radius

