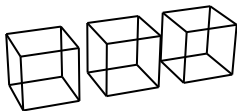


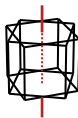
### # Translate

```
T = ts.translate(  
    axis=(0, 1, 0),  
    alpha=[-1, 0.5, 2.0])  
)  
ts.svg(T * vg)
```



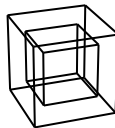
### # Rotate

```
R = ts.rotate(  
    pos=0,  
    axis=(1, 0, 0),  
    angles=[0, np.pi / 3]  
)  
ts.svg(R * vg)
```



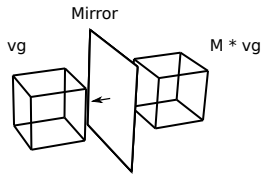
### # Scale

```
S = ts.scale(  
    (1, 1, 1),  
    alpha=[1, 1.5]  
)  
ts.svg(S * vg)
```



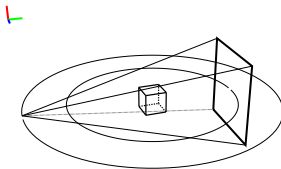
### # Reflect

```
mirror = ts.volume([...])  
M = ts.reflect(  
    pos=mirror.pos,  
    axis=(0, 1, 0),  
)
```



### # Perspective of volume

```
vg = ts.volume(size=0.5)  
pg = ts.cone([...])  
ts.svg(vg, pg)
```



### # Perspective of detector

```
P = ts.from_perspective(  
    vol=pg.to_vol(),  
)  
ts.svg(P * vg, P * pg)
```

