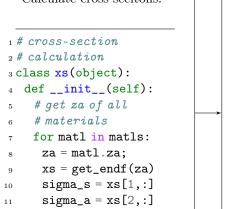
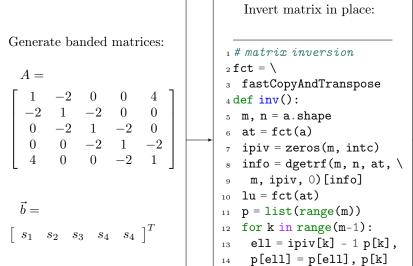
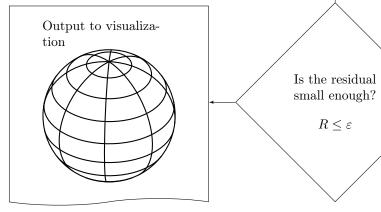


```
Calculate cross secitons:
  D(E) \nabla^2 \phi(\vec{r}, E)
-\Sigma_a(E)\phi(\vec{r},E) + s(\vec{r},E)
             =\frac{1}{v\left( E\right) }\frac{\partial\phi\left( \overrightarrow{r,E}\right) }{\partial t}
                                                                          2 # calculation
  \nabla^2 = \frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} + \frac{\partial^2}{\partial z^2}
                                                                          6 # materials
                                                                                      sigma_f = xs[3,:]
```



 $R \le \varepsilon$ 





and spacewise residual:  $R_n = \phi_{n,i} \left( \vec{r}, E \right) \phi_{n,i-1}\left(\vec{r},E\right)$  $R = \sum_{k=1}^{n} \phi_{k,i} \left( \vec{r}, E \right) \phi_{k,i-1}\left(\vec{r},E\right)$ 

Calculate the total

gaussian elimination:  $A\vec{\phi} = \vec{b}$ 

Solve equations by