

## Apéndice D

### Programas de MATLAB

#### Paralelepípedo Esquinado

```
>> load ('C:\pruebas\unorec.txt');  
x= unorec(:,3);  
y= unorec(:,2);  
z= unorec(:,1);  
xlin = (0:1:100);  
ylin = (0:1:100);  
[X,Y] = meshgrid(xlin,ylin);  
Z = griddata(x,y,z,X,Y,'cubic');  
mesh(X,Y,Z)  
surf(X,Y,Z)
```

#### Cubo en Vértice

```
>> load ('C:\pruebas\cuaesq.txt');  
x= cuaesq(:,3);  
y= cuaesq(:,2);  
z= cuaesq(:,1);  
xlin = (0:1:100);  
ylin = (0:1:100);  
[X,Y] = meshgrid(xlin,ylin);  
Z = griddata(x,y,z,X,Y,'cubic');  
mesh(X,Y,Z)  
surf(X,Y,Z)
```

#### Cilindro

```
>> load ('C:\pruebas\circ.txt');  
x= circ(:,3);  
y= circ(:,2);  
z= circ(:,1);  
xlin = (0:1:100);  
ylin = (0:1:100);  
[X,Y] = meshgrid(xlin,ylin);  
Z = griddata(x,y,z,X,Y,'cubic');  
mesh(X,Y,Z)  
surf(X,Y,Z)
```