```
%%%%%%%%%%%%%%%%
%    the first initial aircraft configuration
%%%%%%%%%%%%%%%%%%
xlist = [];
ylist = [];
zlist = [];
cnt = 0;
for xx=-100:100
      for yy=-100:100
            for zz=-100:100
              if (xx)^2 + (yy)^2 + (zz)^2 == 10000
              cnt = cnt + 1;
              xlist(cnt) = xx;
              ylist(cnt) = yy;
              zlist(cnt) = zz;
             end
           end
      end
end

%%%%%%%%%%%%%%%%
%    the second initial aircraft configuration
%%%%%%%%%%%%%%%%%%
x1=[-50,-50,-50;-50,-50,50;-50,50,50;-50,50,-50]
x2=[50,-50,-50;50,50,-50;50,50,50;50,-50,50]
y1=[-50,-50,-50;50,-50,-50;50,-50,50;-50,-50,50]
y2=[-50,50,-50;-50,50,50;50,50,50;50,50,-50]
z1=[-50,-50,-50;-50,50,-50;50,50,-50;50,-50,-50]
z2=[-50,-50,50;50,-50,50;50,50,50;-50,50,50]
```