alpha<-seq(0.1,2,by=0.1)

theta <-seq(1000,15000,by=200)

datalike<-expand.grid(alpha,theta)

names(datalike)<-c("al", "th")

attach(datalike)

like <- -96\*al\*log(th)-96\*lgamma(al)+(al-1)\*674 - (1/th)\*287024

like<-matrix(like,length(alpha),length(theta))

for(i in 1:300)

{

persp(alpha, theta, like,theta=0+i,phi=15)

}

persp(alpha, theta, like,theta=180,phi=15)

alpha<-seq(0.5,0.7,by=0.005)

theta <-seq(4000,6000,by=50)

datalike<-expand.grid(alpha,theta)

names(datalike)<-c("al", "th")

attach(datalike)

like <- -96\*al\*log(th)-96\*lgamma(al)+(al-1)\*674 - (1/th)\*287024

like<-matrix(like,length(alpha),length(theta))

persp(alpha, theta, like,theta=0,phi=phicon)

for(i in 1:300)

{

persp(alpha, theta, like,theta=0+i,phi=15)

}