```
fatal to the entire code. Plot flowers given below use ColorFunction→
         "SunsetColors" for jazmin1 and ColorFunction→"AvocadoColors" for jazmin2
           Note the beautiful mathematical formulas representing the flowers
           The parametric variables change as follows \{u, -Pi, Pi\} \{v, 0, 3.4\},
        use PlotPoints→50, Mesh→None *)
        (* Set up the directory *)
 In[5]:=
 In[6]:=
 Out[6]= /Users/ictlab/Desktop/CSS221 Tuesday
 In[7]:= SetOptions[ParametricPlot3D, ImageSize → Small];
 In[8]:= C := 5
 ln[9]:= r1[u_, v_] := v^{(1.6)} (0. + (0.01 + Abs[Sin[cu/2]])^{(1/3)};
 ln[10] = xj1[u_, v_] := r1[u, v] Sin[u] * Cos[v]
 in[11]:= yj1[u_, v_] := r1[u, v] Cos[u] * Cos[v]
 ln[12] = zj1[u_, v_] := 3.5 Abs[Cos[v]]^(0.7) (2 + Sin[c u / 2]^2)
 ln[13]:= jazmin1[u_, v_] := \{xj1[u, v], yj1[u, v], zj1[u, v]\}
        (* check *)
 In[14]:=
 In[15]:= jazmin1[1., 1.]
Out[15]=
       {0.385262, 0.247374, 5.364}
 In[16]:=
                                                      "SunsetColors"
Out[16]=
```

(\* Problem 15. Save your Lab before this problem. The errors in p15 could be

In[4]:=

```
In[17]:= c := 9
In[18]:= r2[u_, v_] := v^{(1.6)} (0. + (0.01 + Abs[Sin[c u / 2]])^{(1/3)})
In[19]:= xj2[u_, v_] := r2[u, v] Sin[u] * Cos[v]
```

```
ln[20]:= yj2[u_, v_] := r2[u, v] Cos[u] * Cos[v]
ln[21]:= zj2[u_, v_] := 3.5 Abs[Cos[v]]^(0.7) (2 + Sin[cu/2]^2)
ln[22]:= jazmin2[u_,v_]:=\{xj2[u,v],yj2[u,v],zj2[u,v]\}
       (* Check *)
In[23]:=
```

In[24]:=

"AvocadoColor

Out[24]=



In[25]:= (\* The blend function \*)

In[26]:=

In[27]:=

(\* Generate a table of 10 frames. Careful! The time depends on the particular computer. Wait till the entire table has been evaluated. It could take 1~5 min. Use ListAnimate for the output. Set AnimationRunning→False \*)

{t, 0, 1, 0.1} In[28]:=

In[0]:=