Hilbert's 13th Problem


```
SetDirectory["C:/drorbn/AcademicPensieve/2014-11/H13/"];
<< "./.../2009-11/Hilbert13th-Program.m"

phi5 := Phi[phi0, 5, 0.1, 0.8];
g = G[f, phi5];

Timing[
  Step1Cascade = Rasterize[
    Plot3D[phi5[x] + \[Lambda] \cdot phi5[y], {x, 0, 1}, {y, 0, 1},
    PlotPoints -> 51, Mesh -> 14, Exclusions -> None, ViewPoint -> {-2, -2, 1},
    AxesLabel -> Automatic, ColorFunction -> Automatic, ColorFunctionScaling -> True
  ]
]
```

6.240040,
Export[
    "Step1Cascade.png",
    ImageCrop[Step1Cascade]
]
Step1Cascade.png