Example_Function

Function Prototype

```
double Example_Function (Vertex, Edge1, Edge2, double, int,...)
```

Key Words

Enter all key words to this function here.

Authors

Type the primary authors here. Example:
Daniel "Cliff Jumper" Champion

Introduction

In this space provide a brief introduction to familiarize the reader with the function listed above.

Subsidiaries

List all functions used by this function; list all variables (and types) used by this function. Indent to show hierarchy.

Functions:

     Function1

     Function2

        Function2.1

        Function2.2

           Function2.3

Global Variables:

Local Variables:

Description

Begin this section with a detailed description of the function. For simple functions provide sufficient theory to define the function, otherwise outline the theory and cite "calculations were performed in Mathematica..." etc. if applicable.

Conclude this section with an explanation of why this function exists. This would include initial motivation for the creation of the function, as well as all primary programs (functions) that utilize the function. A brief history of the function can also be given if it serves to explain why the function exists.

Practicum

Place any and all practical information about the function in this section. Provide a short example of the use of this function if appropriate. This should be written in code or pseudo-code written in the format below:

```
begin repeat;
    result = n+5;
    end if result > 5;
    n=n+1;
end repeat;
```

Limitations

Provide a description of the limitations of the function. It should be clear what works and doesn't work about the function from reading this section.

Revisions

List the major revisions to the function with dates and a one sentence comment. Example:

subversion 617, 6/8/09, `Example_Function` created with severe limitations.

subversion 618, 6/9/09, `Example_Function` was fully commented and initial testing complete.

subversion 619, 6/10/09, `Example_Function` was augmented to utilize the Geometry class.

Testing

Describe how the function was tested. Include dates and names of test results if possible.

Future Work

In this section, describe what changes or increased functionality are desired for this function. It may be helpful to address some of the items listed in the "Limitations" section.