

# Type Function Name Here

## 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.

Functions:

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

In this section describe the arguments passed to the function and explicitly write the function in the following format:

ExampleFunction ( vertex, edge1, edge2, double, integer,...)

Provide a short example of the use of this function. This should be written in code or pseudo-code.

## 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.

## Testing

Describe how the function was tested.

## 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.