# Poisson Hole Fillin in ITK and VNL

*Release 0.00*

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**Abstract**

This code provides an implementation of Poisson Hole Filling on ITK images.

Latest version available at the Insight Journal [ http://hdl.handle.net/10380/3253]


## Contents



## 1 Introduction

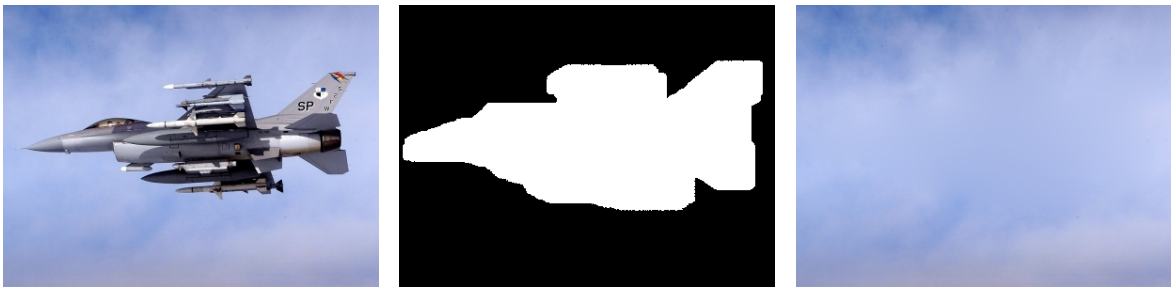
This code provides an implementation of Poisson Hole Filling on ITK images.

This document is intended only to describe the implementation, not the theory.

## 2 Input

## 3 Poisson Solver

## 4 Demonstration



(a) Original image (b) Mask (c) Filled image

Figure 1: A demonstration of Poisson hole filling

## 5 Code Snippet

Using this class is very straight forward, as shown below:

```
PoissonEditing poissonEditing;
poissonEditing.SetImage(imageReader->GetOutput());
poissonEditing.SetMask(maskReader->GetOutput());
poissonEditing.FillRegion(outputImage);
```