

# Masked Loss and Partial Convolution to Ignore Unwanted Structures.

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## Motivation

- Inpainting X-ray images
- Removal of watermarks, texts and crosshairs
- Learning from a single image using SinGAN

## Method

- Creation of loss mask and masked input
- Train SinGAN with masked loss and partial convolution
- Sample with zero noise or inject masked input

## Results

- Capturing texture for big and small not learned areas
- Varying results with big structures in not learned areas
- Long training time per image
- Instabilities with bigger Images

## Cherry Picked Results

Original

Inpainted

