

Processing Software and Simulation Status

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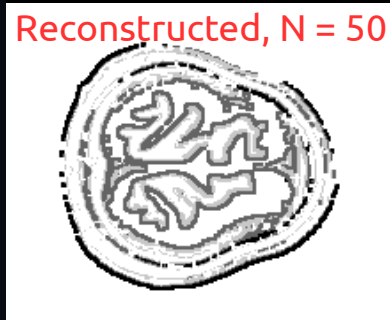
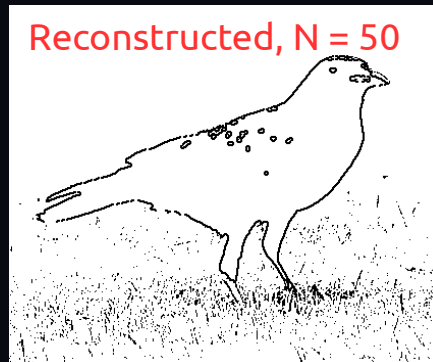
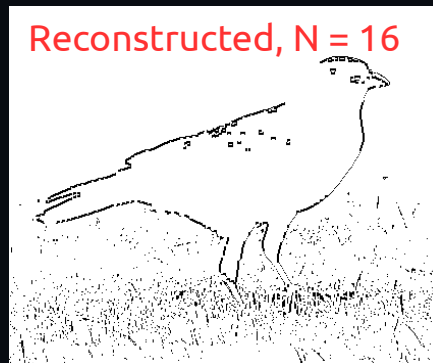
SHRIMPSim

- Currently based on three classes
 1. Configuration
 - Responsible for passing the necessary options to the program
 2. Pattern Bank
 - Generates and finds the patterns that have to be used
 - Most intensive part of the program
 3. ShrimpSim
 - Main part, accepts configuration and patterns
 - Scans an image keeping the relevant patterns

Limitations

- Currently it does not support medical images
 - Slices extracted from python script
- Pattern Banks are not currently saved
- Thresholds for MRI slices not yet understood

Simulation Example



Proposal for RTSI 2016

- A demonstrator can be developed in a relatively short time
 - Total Estimate: 10 days
- CLI-based configuration will be replaced by GUI-based configuration
 - Estimate: 2-3 days
- Inclusion of Image Viewer “module” in GUI along with a grid to replace the image in pixels
 - Estimate: 6-7 days