

APRLib Documentation

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1 Installation

see Readme.md

2 Calculating the APR

3 The APR Data structure

3.1 Input-Output

4 Data Access and Processing

4.1 Serial Iteration

```
|| for (apr.begin(); apr.end() != 0; apr.it_forward()) {  
||   float particle_intensity = apr(apr.particles_int);  
|| }
```

4.2 Parallel Iteration

4.3 Neighbor Iteration

4.4 Particle Transforms

5 Pixel Images and Reconstruction

5.1 Mesh_data class

5.2 Input - Output

5.3 Reconstruction

6 MISC