

**MEETING ON TOMOGRAPHY AND
APPLICATIONS
MATHEMATICS DEPARTMENT, POLITECNICO DI MILANO
MARCH 21-23, 2016**

What can influence the effectiveness of the Discrete Tomography?

ABSTRACT There are many things what we should take into account during the reconstruction of discrete objects. Previously have shown that the angle set also determine the quality of the reconstruction when the number of projections is low. We will present a framework which can be used to test different kind of tomographic reconstruction methods for multivalued discrete phantoms using a special metric. We will also present the possible improvements of Discrete Algebraic Reconstruction Technique. Finally we will conclude our results.

Antal Nagy University of Szeged, Hungary