

Introduction à la géométrie projective

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LCIN4U73 Bases géométriques de l'imagerie

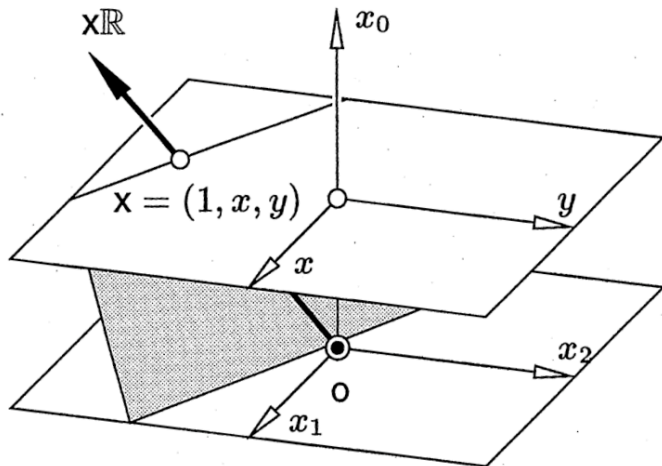
1 mars 2010

Le plan projectif réel



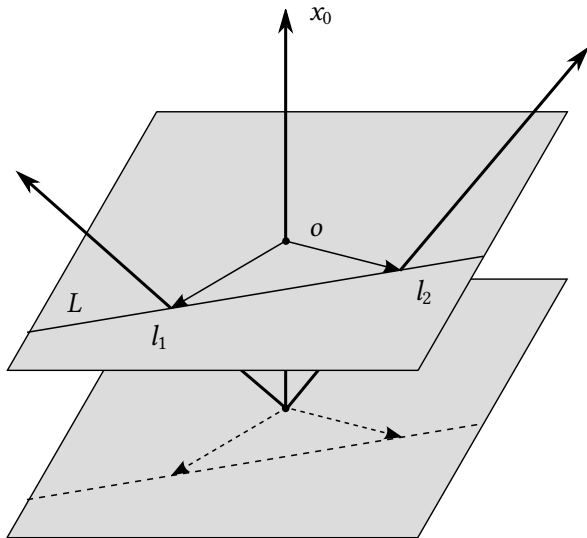
http://es.wikipedia.org/wiki/Archivo:08_tory_railtrack_ubt.jpeg

Coordonnées homogènes

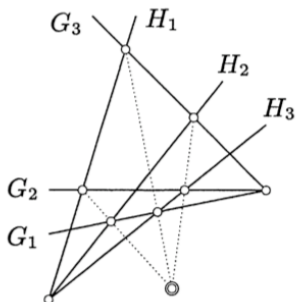
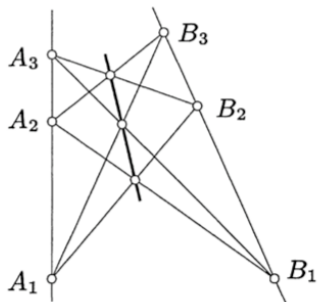


H. Pottman, J. Wallner. Computational Line Geometry. Springer. 2001.

Représentation de droites euclidiennes et points idéaux

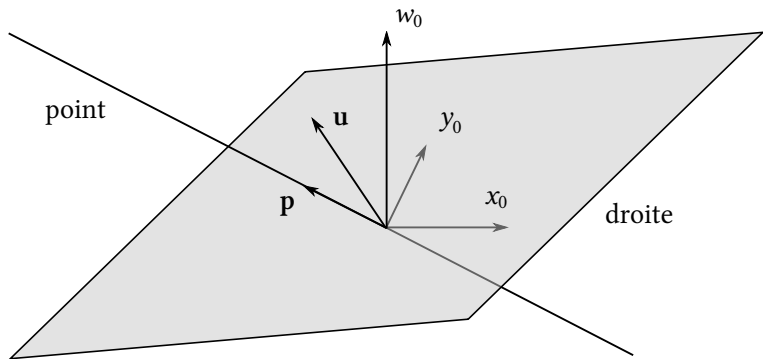


Dualité

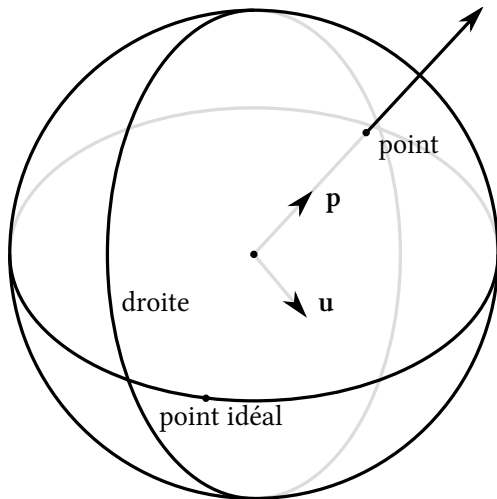


H. Pottman, J. Wallner. Computational Line Geometry. Springer. 2001.

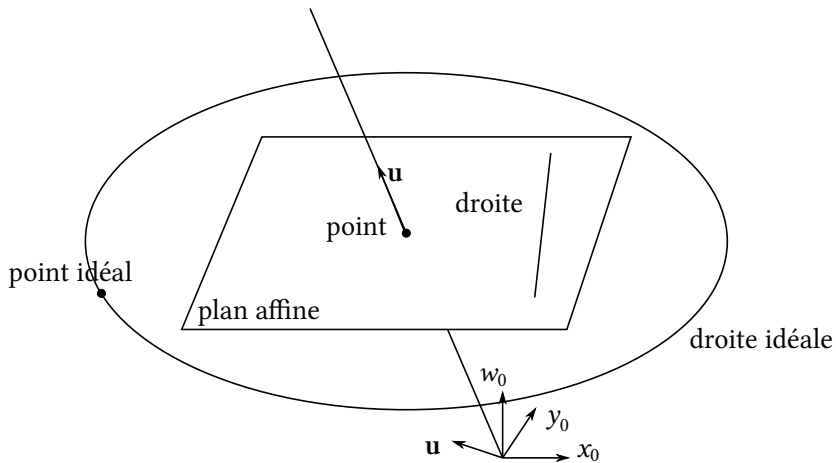
Espace de rayons



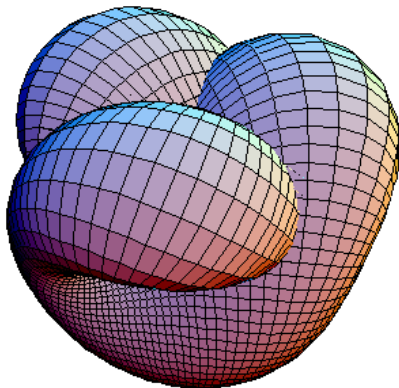
La sphère unitaire



Plan affine augmenté



La surface de Boy



<http://en.wikipedia.org/wiki/File:BoysSurfaceTopView.PNG>