

Abstract for a proposed talk at the **Center for Machine Perception** in Prague on April 10, 2003

## **The Symmetric Group $S_6$ , Photogrammetry and Invariants**

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**Abstract:** Coble's formula relates the invariants of a scene consisting of six points with the invariants of the image. We present a version of the formula for invariants of six lines in space and in an image.

The main mathematical tool is the representation theory of the symmetric group  $S_6$  of degree 6.