Definition of U and V planes in MOFIA geometry files

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The planes are labeled according to the coordinate they measure: "X-planes" measure X, "Y-planes" measure Y, "U-planes" measure U and "V-planes" measure V.

In the MOFIA geometry file, the U and V planes are made out of X-planes by rotating them around the Z-axis, as shown in this figure (note the location of wire 1):

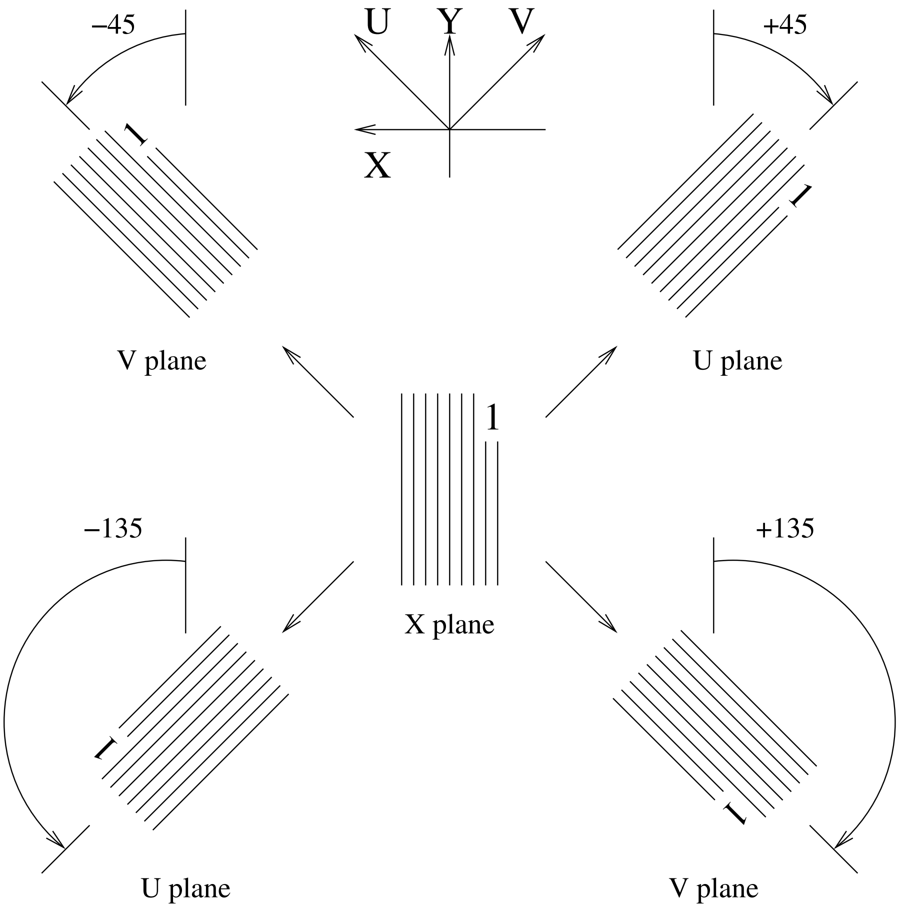

Figure 1. Planes rotated by +/-45 and +/-135 degrees

Table 1. Rotation angles used in TWIST geometry files

Angle	Plane type
+45	upstream PC and DC U planes
-45	upstream PC and DC V planes
-135	downstream PC, DC and target PC U planes
+135	downstream PC, DC and target PC V planes