

A schematic diagram of a rectangular domain divided into four quadrants by a vertical line. The top-left quadrant is labeled  $U$ , the top-right  $Y, Y'$ , the bottom-left  $V$ , and the bottom-right  $X, X'$ . An arrow points from the label  $X, X'$  to the bottom-right quadrant. The top edge of the rectangle has a series of small squares, and the right edge has a series of horizontal lines.

107 U,V wires.

1.000252 cm wire spacing.

Wire numbers increase  
in the following directions:

???



	X	Y	U	V	
hdc_alpha_angle=	90	0	75	105	- chamber roll
hdc_beta_angle=	0	0	0	0	- chamber pitch
hdc_gamma_angle=	0	0	0	0	- chamber yaw

This assumes that the roll, pitch and yaw are small enough to be treated independently.

For  $\beta = \gamma = 0$ :  $\psi = x \sin(\alpha) + y \cos(\alpha) = \text{coord. along wire}$   
 $\chi = -x \cos(\alpha) + y \sin(\alpha) = \text{perpendicular}$

U plane:

