The rotation search should be restricted to an appropriately chosen asymmetric unit (Rao et al., 1980). Table 1 lists asymmetric units for cross-rotation functions for search models without internal symmetry. P_1 is the rotated Patterson function of the search model and P_2 is the observed Patterson function. The Laue group of P_1 is "-1". The Laue group of P_2 is determined by the space group of the crystal.

Laue Group	Crystal System	Euler Angles Lattman Angles
-1	triclinc	$0 \le \theta_1 < 2\pi, 0 \le \theta_2 \le \pi, 0 \le \theta_3 < 2\pi$ $0 \le \theta_- \le 2\pi, 0 \le \theta_2 \le \pi, 0 \le \theta_+ < 4\pi$
2/m (b unique)	monoclinic (b-u)	$0 \le \theta_1 < 2\pi, 0 \le \theta_2 \le \pi/2, 0 \le \theta_3 < 2\pi$ $0 \le \theta_- \le 2\pi, 0 \le \theta_2 \le \pi/2, 0 \le \theta_+ < 4\pi$
2/m (c unique)	monoclinic (c-u)	$0 \le \theta_1 < 2\pi, 0 \le \theta_2 \le \pi, 0 \le \theta_3 < \pi$ $0 \le \theta_- \le \pi, 0 \le \theta_2 \le \pi, 0 \le \theta_+ < 4\pi$
mmm	orthorhombic	$0 \le \theta_1 < 2\pi, 0 \le \theta_2 \le \pi/2, 0 \le \theta_3 < \pi$ $0 \le \theta_- \le \pi, 0 \le \theta_2 \le \pi/2, 0 \le \theta_+ < 4\pi$
4/m	tetragonal	$0 \le \theta_1 < 2\pi, 0 \le \theta_2 \le \pi, 0 \le \theta_3 < \pi/2$ $0 \le \theta_- \le \pi/2, 0 \le \theta_2 \le \pi, 0 \le \theta_+ < 4\pi$
4/mmm	tetragonal	$0 \le \theta_1 < 2\pi, 0 \le \theta_2 \le \pi/2, 0 \le \theta_3 < \pi/2$ $0 \le \theta_- \le \pi/2, 0 \le \theta_2 \le \pi/2, 0 \le \theta_+ < 4\pi$
-3	trigonal	$0 \le \theta_1 < 2\pi, 0 \le \theta_2 \le \pi, 0 \le \theta_3 < 2\pi/3$ $0 \le \theta_- \le 2\pi/3, 0 \le \theta_2 \le \pi, 0 \le \theta_+ < 4\pi$
-3m	trigonal	$0 \le \theta_1 < 2\pi, 0 \le \theta_2 \le \pi/2, 0 \le \theta_3 < 2\pi/3$ $0 \le \theta_- \le 2\pi/3, 0 \le \theta_2 \le \pi/2, 0 \le \theta_+ < 4\pi$
6/m	hexagonal	$0 \le \theta_1 < 2\pi, 0 \le \theta_2 \le \pi, 0 \le \theta_3 < \pi/3$ $0 \le \theta_- \le \pi/3, 0 \le \theta_2 \le \pi, 0 \le \theta_+ < 4\pi$
6/mmm	hexagonal	$0 \le \theta_1 < 2\pi, 0 \le \theta_2 \le \pi/2, 0 \le \theta_3 < \pi/3$ $0 \le \theta_- \le \pi/3, 0 \le \theta_2 \le \pi/2, 0 \le \theta_+ < 4\pi$

Table 1: Asymmetric Units of Cross-Rotation Functions.