

**Instruction Cards Order of use**

TITL	any text	CONN	bmax[12] r[#] atomnames
CELL	$\lambda$ a b c $\alpha$ $\beta$ $\gamma$	PART	n sof
ZERR	Z su(a) su(b) su(c) su( $\alpha$ ) su( $\beta$ ) su( $\gamma$ )	BIND	atom1 atom2
LATT	N [1]	FREE	atom1 atom2
SYMM	symmetry operations	DFIX	d s[.02] atom pairs
SFAC	Elements	DANG	d s[.04] tri atoms
SFAC	label a1 b1 a2 b2 a3 b3 a4 b4 c f' c* mu r wt	BUMP	s [.02]
DISP	E f' f [#] mu[#]	SAME	s1 [.02] s2[.02] atomnames
UNIT	n1 n2 ...	SADI	s[.02] atom pairs
LAUE	E	CHIV	V [0] S [.01] atomnames
REM	comments any text	FLAT	s [.01] four or more atoms
MORE	m [1]	DELU	s1[.01] s2[.02] atomnames
TIME	t [#]	SIMU	s[.04] st [.08] dmax [1.7]
END		ISOR	s[.01] st[.2] atomnames
HKLF	n[4] s[1] r11...r33 [1 0 0 0 1 0 0 0 1] wt[1] m[0]	NCSY	DN sd [.01] su[.05] atomnames
OMIT	s[-2] 2 $\theta$ lim[180]	SUMP	c sigma c1 m1 c2 m2 ...
OMIT	<i>h,k,l</i>	L.S.	nls [0] nrf[0] nextra[0]
SHEL	lower res [ $\infty$ ] high res [0]	BLOC	n1 n2 atomnames
BASF	scale factors	DAMP	damp[0.7] limes[15]
TWIN	3x3 matrix [-1 0 0 0 -1 0 0 0 -1] n[2]	STIR	sres ste[0.01]
EXTI	x[0]	WGHT	a[.1] b[0] c[0] d[0] e[0] f[0.333]
SWAT	g[0] U[2]	FVAR	osf[1] variables
HOPE	nh[1]	BOND	atomnames
MERG	n[2]	CONF	atomnames
RESI	class number alias	MPLA	na atomnames
MOVE	dx dy dz sign	RTAB	code atomnames
ANIS	n	HTAB	dh [2.0]
ANIS	names	LIST	m[#] mult[1]
AFIX	mn d[#] sof[11] U[10.08]	ACTA	2 $\theta$ full
FRAG	code[17] a[1] b[1] c[1] $\alpha$ [90] $\beta$ [90] $\gamma$ [90]	SIZE	dx dy dx
FEND		TEMP	T[20]
EXYZ	names	WPDB	n[1]
EADP	names	FMAP	code[2] axis[#] nl [53]
EQUIV	$\$$ n symmetry	GRID	sl sa sd dl da dd
		PLAN	npeaks[20] d1 d2

**Instruction cards A-Z**

ACTA	2θfull	LATT	N [1]
AFIX	mn d[#] sof[11] U[10.08]	LAUE	E
ANIS	n	LIST	m[#] mult[1]
ANIS	names	MERG	n[2]
BASF	scale factors	MORE	m [1]
BIND	atom1 atom2	MOVE	dx dy dz sign
BLOC	n1 n2 atomnames	MPLA	na atomnames
BOND	atomnames	NCSY	DN sd [.01] su[.05] atomnames
BUMP	s [.02]	OMIT	s[-2] 2θlim[180]
CELL	$\lambda \alpha \beta \chi \alpha \beta \gamma$	OMIT	<i>h, k, l</i>
CHIV	V [0] S [.01] atomnames	PART	n sof
CONF	atomnames	PLAN	npeaks[20] d1 d2
CONN	bmax[12] r[#] atomnames	REM	comments any text
DAMP	damp[0.7] limes[15]	RESI	class number alias
DANG	d s[.04] tri atoms	RTAB	code atomnames
DELU	s1[.01] s2[.02] atomnames	SADI	s[.02] atom pairs
DFIX	d s[.02] atom pairs	SAME	s1 [.02] s2[.02] atomnames
DISP	E f' f [#] mu[#]	SFAC	Elements
EADP	names	SFAC	label a1 b1 a2 b2 a3 b3 a4 b4 c f' c* mu r wt
END		SHEL	lower res [∞] high res [0]
EQUIV	\$n symmetry	SIMU	s[.04] st [.08] dmax [1.7]
EXTI	x[0]	SIZE	dx dy dx
EXYZ	names	STIR	sres ste[0.01]
FEND		SUMP	c sigma c1 m1 c2 m2 ...
FLAT	s [.01] four or more atoms	SWAT	g[0] U[2]
FMAP	code[2] axis[#] nl [53]	SYMM	symmetry operations
FRAG	code[17] a[1] b[1] c[1] $\alpha$ [90] $\beta$ [90] $\gamma$ [90]	TEMP	T[20]
FREE	atom1 atom2	TIME	t [#]
FVAR	osf[1] variables	TITL	any text
GRID	sl sa sd dl da dd	TWIN	3x3 matrix [-1 0 0 0 -1 0 0 0 -1] n[2]
HKLF	n[4] s[1] r11...r33[1 0 0 0 1 0 0 0 1] wt[1] m[0]	UNIT	n1 n2 ...
HOPE	nh[1]	WGHT	a[.1] b[0] c[0] d[0] e[0] f[0.333]
HTAB	dh [2.0]	WPDB	n[1]
ISOR	s[.01] st[.2] atomnames	ZERR	Z su(a) su(b) su(c) su( $\alpha$ ) su( $\beta$ ) su( $\gamma$ )
L.S.	nls [0] nrf[0] nextra[0]		