Figure 1 - Voronoi Construct

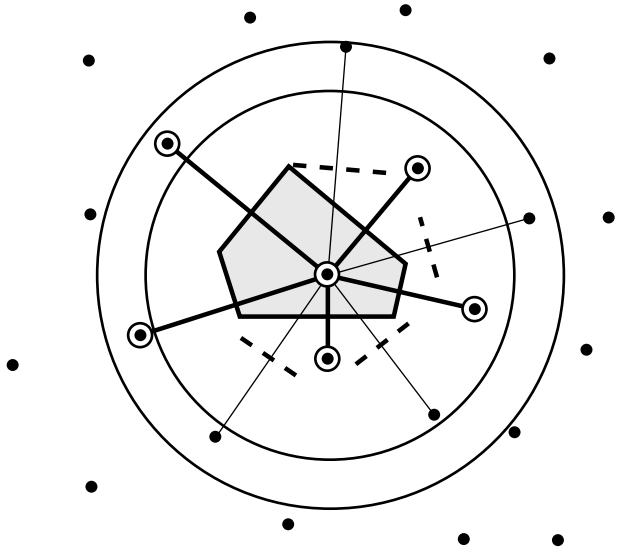

Table 1
ProtOr Volumes and Parameters

Unified Atoms			Residues	
atom	radii	volume	aa	volume
C3H0b	1.61	9.70	Gly	63.8
C3H0s	1.61	8.72	Ala	89.3
C3H1b	1.76	21.28	Val	138.2
C3H1s	1.76	20.44	Leu	163.1
			Ile	163.0
C4H1b	1.88	14.35	Met	165.8
C4H1s	1.88	13.17		
C4H2b	1.88	24.26	Pro	121.6
C4H2s	1.88	23.19	His	157.5
C4H3u	1.88	36.73	Phe	190.8
			Tyr	194.6
N3H0u	1.64	8.65	Trp	226.4
N3H1b	1.64	15.72		
N3H1s	1.64	13.62	Cyh	112.8
N3H2u	1.64	22.69	Cys	102.5
			Ser	94.2
N4H3u	1.64	21.41	Thr	119.6
			Asn	112.4
O1H0u	1.42	15.91	Gln	146.9
O2H1u	1.46	17.98	Asp	114.4
			Glu	138.8
S2H0u	1.77	29.17	Lys	165.1
S2H1u	1.77	36.75	Arg	190.3

Parameters used in Protor Volume Derivation

Typing Scheme	Hybrid chemical and numerical typing with 18 basic types
Radii Set	ProtOr Radii, Tsai et al. (1999)
Plane-Positioning Method	Ratio
Atom Selection Criteria	BL+
Structure Set	SCOP (87 structures)