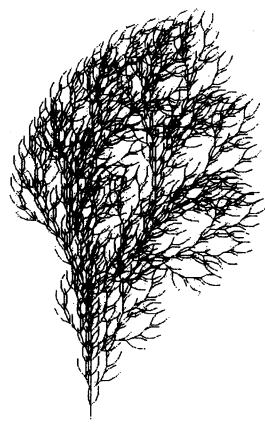


(a)  $t = 8, \delta = 22.5^\circ$

$\omega: G$

$G \rightarrow F+[[G]-G]-F[-FG]+G$

$F \rightarrow FF$

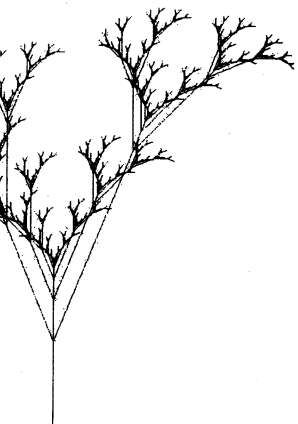


(b)  $t = 4, \delta = 22.5^\circ$

$\omega: F$

$F \rightarrow FF+[+F-F-F]-[-F+F+F]$

$G \rightarrow F+[[G]-G]-F[-FG]+G$

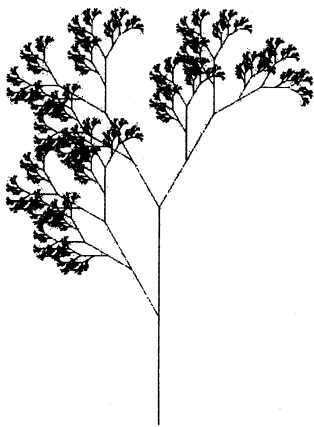


(c)  $t = 6, \delta = 22.5^\circ$

$\omega: G$

$G \rightarrow F[+FFG][G]-FG$

$F \rightarrow FF$

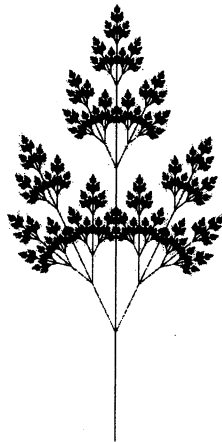


(d)  $t = 9, \delta = 20^\circ$

$\omega: G$

$G \rightarrow F[-G]F[+G]-G$

$F \rightarrow FF$



(e)  $t = 9, \delta = 25.7^\circ$

$\omega: G$

$G \rightarrow F[-G][+G]FG$

$F \rightarrow FF$



(f)  $t = 5, \delta = 22.5^\circ$

$\omega: G$

$G \rightarrow FG[-F[G]-G][G+G][+F[G]+G]$

$F \rightarrow FF$