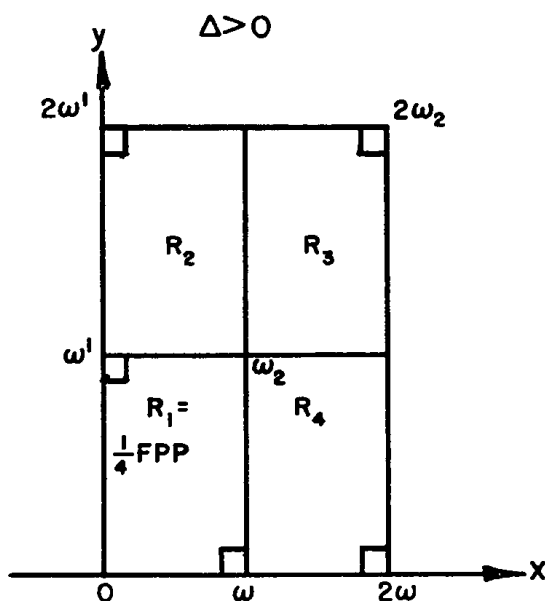
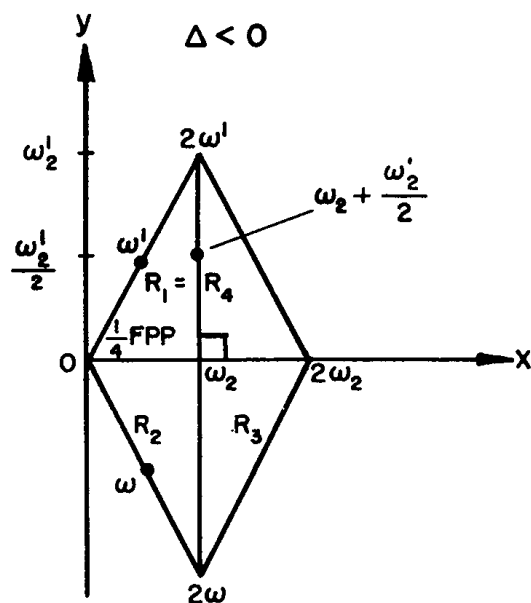


FPP's, Symbols for Periods, etc.



RECTANGLE

 ω REAL ω' PURE IMAG. $|\omega'| \geq \omega$, since $g_3 \geq 0$ 

RHOMBUS

 $\omega_1 = \omega$ $\omega_2 = \omega + \omega'$ $\omega_3 = \omega'$ $\omega_2' = \omega' - \omega$ ω_2 REAL ω_2' PURE IMAG. $|\omega_2'| \geq \omega_2$, since $g_3 \geq 0$

Fundamental Rectangles

Study of all four functions (\wp, \wp', ζ, σ) can be reduced to consideration of their values in a Fundamental Rectangle including the origin (see 18.2 on homogeneity relations, reduction formulas and processes).

 $\Delta > 0$ $\Delta < 0$

Fundamental Rectangle is $\frac{1}{4}$ FPP, which has vertices $0, \omega, \omega_2$ and ω'

Fundamental Rectangle has vertices $0, \omega_2, \omega_2 + \frac{\omega_2'}{2}, \frac{\omega_2'}{2}$

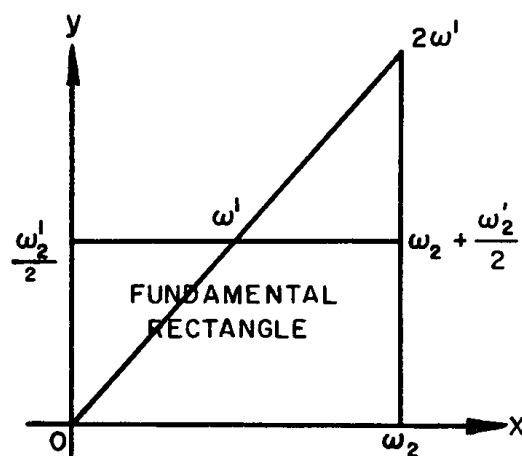
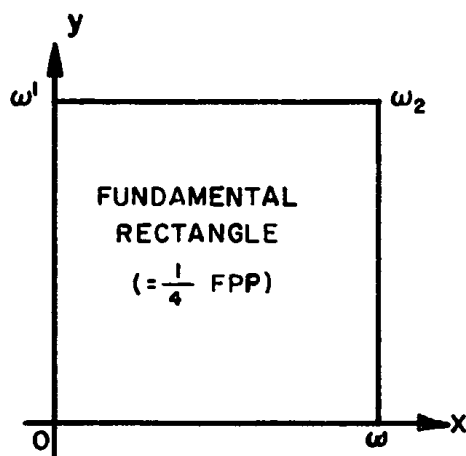


FIGURE 18.2

There is a point on the right boundary of Fundamental Rectangle where $\wp = 0$. Denote it by z_0 .