疲劳极限估计公式推导

Thursday, September 21, 2023

我们够设材料的疲劳核股布权限强度分别为 Gs,Gu,

高兴:假定N=163对应铂渡劳强度为0.9 6%,不够定权限静 BT: IBasquin公式 GyMV=C 划10周次

雨; (09 G) m./3=C

(G;)m./06 = C

((a9 6u) · 10 = 6+ · 10 83 两边同取对数

 $m(0.9 + (gGu) = m(gG_f + 3)$

(qC=3+mx(g(a9)+(gGu),故有:

$$C = \left(9^{-1} \left[3 + \frac{3((9^{0.9} + (9^{6})))}{(9^{0.9} - (9^{6}))} \right] = \left(9^{-1} \left[\frac{6(90.9 + 3((9^{6}) + (96)))}{(90.9 - (9^{6}))} \right] \right)$$