

d 2.441 F 010763 GH 1930
P_{cr} 668 T_{cr} 398

LINE	1st rate	2nd rate	3rd rate	4th rate
1 Q_m	0.112	0.112	0.072	0.071
2 T_w (W.H. °R)	520	520	520	520
3 T_s (B.H. °R)	538	538	538	538
4 $T = (\frac{T_w + T_s}{2})$	529	529	529	529
5 Z (Est.)	0.825	0.969	0.969	0.969
6 TZ	436.4	512.6	512.6	512.6
7 GH/TZ	4.423	3.765	3.765	3.765
8 e^s (Table XIV)	1.180	1.152	1.152	1.152
9 $1 - e^s$ (Table XIV)	0.153	0.132	0.132	0.132
10 P_t	133.2	133.2	133.2	133.2
11 $P_t^2/1000$	17.74	17.74	17.74	17.74
12 F_t (Table XV)	.010763	.010763	.010763	.010763
13 $F_c = F_t$ TZ	4.697	5.517	5.517	5.517
14 $F_c Q_m$	0.53	0.62	0.40	0.39
15 $L/H (F_c Q_m)^2$	0.28	0.38	0.16	0.15
16 $F_w = L/H (F_c Q_m)^2 (1 - e^s)$	0.04	0.05	0.02	0.02
17 $P_w^2 = P_t^2 + F_w$	17.78	17.79	17.76	17.76
18 $P_s^2 = e^s P_w^2$	20.98	20.49	20.46	20.46
19 P_s	144.8	143.1	143.0	143.0
20 $P = (\frac{P_t + P_s}{2})$	139.0	138.2	138.1	138.1
21 $P_t = (P/P_{ct})$	0.21	0.21	0.21	0.21
22 $T_t = (T/T_{ct})$	1.33	1.33	1.33	1.33
23 Z (Table XI)	0.969	0.969	0.969	0.969