## Goodness-of-Fit Diagnostics for EKW Distribution (A) P-P Plot (B) Q-Q PlotC) PDF Empirical vs T(De) @Pfrdampirical vs The 1.00 -1.00 Quantiles Sumulative Probabil **Empirical CDF** 0.75 0.75 0.75 Density 0.50 0.50 0.50 Sample 0.25 0.25 0.25 0.00 0.00 0.0 0.2 0.4 0.6 0.8 0.000.250.500.751.00 0.000.250.500.751.00 0.000.250.500.751.00 Theoretical Quantiles Theoretical CDF Х Χ (E) Profile $\alpha$ (F) Profile β (G) Profile $\lambda$ 200 200 204 -og-likelihood 190 Log-likelihood Log-likelihood 180 180 203 170 160 202 160 150 0.20022952502705300 2.502.753.003.253.50 18 19 20 21 22