

```
C X~ Fmin
                   E(x) = E[Wy] = E[W] . E[y-1]
                  W = 2m/m
                     V = \frac{2n}{m}
V = \frac{2^{2}n}{n}
\int_{\Omega} \Gamma\left(\frac{n}{2}, 2\right) \rightarrow \Gamma\left(\frac{n}{2}, \frac{2}{n}\right)
               E(w) = m
                                                                                                                                                                                av~r(x, aB)
                E(y-1) = r(a+k) Bk
                                                                            r(4)
           Thus E(x) = E(w) · E(y-i) =
          Var (W/Y) = E(W2) E(Y-2) - [E(4)]2 [E(4-1]2
         E(w2) = \( \big( \mathref{m} \kappa + 2 \big) \cdot \gamma = \big( \mathref{m} \kappa + 2 \big) \\ \dagger \left = \big| \dagger \left \dagger \dagger
        \frac{\Gamma(m/2)}{E(Y^2) = \Gamma(m/2+2)} = -
                                                                          4 F (m/2) (n-2)(n-4)
        Var ( W/4 ) = m2+2m
                                                                                                                                                       m2
                                                                                (n-2)(n-4) (n-2)^2
                                                                               (n-2)(m+2m) - m2(n-4)
                                                                                                   (n-2)2 (n-4)
                                                                                       2m2+2mn-4m
                                                                                                     (n-2)^2(n-4)
```

