

```
\frac{\partial}{\partial u} \ln \left[ L(\Delta u, 0_2 | u_1 \dots u_n) \right] = 0 - 0 + (u_1 - u_1) + \dots + (u_n - u_n)
                                            = \int_{-2}^{2} \left[ (x_1 + \dots + x_n) - n u \right]
\frac{\partial \ln \left[ L(o_1, o_2 \mid x_1 ... x_n) \right] = o - n + 1 \left[ (x_1 - u)^2 + ... + (x_n - u)^2 \right]}{\sigma \sigma \sigma^3}
                 2 ln[L(01,02 | x1.. xn)] =0
                      2 ln [L(0,,02 | 21,... 21n]
                  02(00)\sigma^2 = (21-11)^2 + ... + (212-11)^2
                                      = (x_1 - x_1)^2 + \dots + (x_n - x_n)^2
```

