Matrix G: [var(u) = G = [var(u) cov(u, u) -]

a Model alefinition var(u) = G = [cov(u, u) var(u)]

Depends on relationship between breading values

D Fid example: Sire model

Breedily values of sites are rouglown
effects S

com Female animals and (animals

without offspring ob not get breeding values.

D Poolel:
$$y = X\beta + Is + e$$
; $E[c] = 0$
D Data: $y = \begin{bmatrix} 2.64 \\ 2.94 \\ 5.16 \end{bmatrix} S = \begin{bmatrix} 54 \\ 32 \\ 5.16 \end{bmatrix} E[y] = X\beta$
 $Var[e] = R = I \cdot E^2$
 $Var[y] = \frac{1}{2}G^{-1}R$