a linear Mixed Effect Model all variances and coveriances of random effects and all expected volues must be specified. a Model: y = XB + Zy +e random random fixed EB=B 10. r [B] = 0 Breeding values u are defined and deviations = D E[u] = 0 becker u-[u] [0] Residueds are also deviations =n E[e]=0 → E[y] = E[xp+2u+e] = E[xp+E[2u] + E[e] = XEB +ZELU] + ELE) = XB + 20 + 0 - XB