```
> bryklme = lme(mathach ~ meanses*cses + sector*cses, random = ~ cses|school,
              data = Bryk)
> summary(bryklme)
Linear mixed-effects model fit by REML
 Data: Bryk
       AIC      BIC    logLik
  46523.66 46592.45 -23251.83

Random effects:
 Formula: ~cses | school
 Structure: General positive-definite, Log-Cholesky parametrization
            StdDev    Corr
(Intercept) 1.5426150 (Intr)
cses        0.3182015 0.391
Residual    6.0597955

Fixed effects: mathach ~ meanses * cses + sector * cses
                        Value Std.Error   DF  t-value p-value
(Intercept)         12.127931 0.1992919 7022 60.85510   0e+00
meanses              5.332875 0.3691684  157 14.44564   0e+00
cses                 2.945041 0.1556005 7022 18.92694   0e+00
sectorCatholic       1.226579 0.3062733  157  4.00485   1e-04
meanses:cses         1.039230 0.2988971 7022  3.47688   5e-04
cses:sectorCatholic -1.642674 0.2397800 7022 -6.85076   0e+00
 Correlation:
                    (Intr) meanss cses   sctrCt mnss:c
meanses              0.256
cses                 0.075  0.019
sectorCatholic      -0.699 -0.356 -0.053
meanses:cses         0.019  0.074  0.293 -0.026
cses:sectorCatholic -0.052 -0.027 -0.696  0.077 -0.351

Standardized Within-Group Residuals:
       Min         Q1        Med         Q3        Max
-3.1592608 -0.7231893  0.0170471  0.7544510  2.9582205

Number of Observations: 7185
Number of Groups: 160
```

From Lab 2, Level 2 parameter estimates

```
bryklmer = lmer(mathach ~ meanses*cses + sector*cses + (1 +  cses|school), data = Bryk)
```