mod\_main <- lmer(s\_residual ~ groundPlane + duration + groundPlane\*duration + (1|subjID) + (1|actual\_depth), data=df)

A close-up of numbers

Description automatically generated with low confidence

A picture containing screenshot, diagram, line, plot

Description automatically generated

mod\_main\_abs <- lmer(abs\_s\_residual ~ groundPlane + duration + groundPlane\*duration + (1|subjID) + (1|actual\_depth), data=df)

A picture containing text, font, screenshot, white

Description automatically generated

A picture containing screenshot, diagram, line, plot

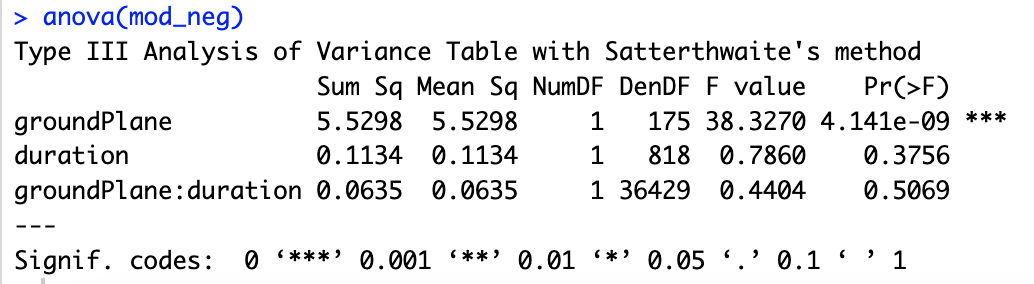
Description automatically generated

mod\_pos <- lmer(pos\_s\_residual ~ groundPlane + duration + groundPlane\*duration + (1|subjID) + (1|actual\_depth), data=df\_pos)

A picture containing text, font, screenshot, white

Description automatically generated

mod\_neg <- lmer(neg\_s\_residual ~ groundPlane + duration + groundPlane\*duration + (1|subjID) + (1|actual\_depth), data=df\_neg)



A picture containing screenshot, diagram, line

Description automatically generated

**125 ms:**

mod\_pos <- lmer(pos\_s\_residual ~ groundPlane + (1|subjID) + (1|actual\_depth), data=df\_pos)

A screenshot of a computer

Description automatically generated with medium confidence

mod\_neg <- lmer(neg\_s\_residual ~ groundPlane + (1|subjID) + (1|actual\_depth), data=df\_neg)

A screenshot of a computer

Description automatically generated with medium confidence

A picture containing screenshot, diagram, line

Description automatically generated

**250 ms:**

mod\_pos <- lmer(pos\_s\_residual ~ groundPlane + (1|subjID) + (1|actual\_depth), data=df\_pos)

A screenshot of a computer code

Description automatically generated with low confidence

mod\_neg <- lmer(neg\_s\_residual ~ groundPlane + (1|subjID) + (1|actual\_depth), data=df\_neg)

A screenshot of a computer code

Description automatically generated with low confidence

A picture containing screenshot

Description automatically generated

**1000 ms:**

mod\_pos <- lmer(pos\_s\_residual ~ groundPlane + (1|subjID) + (1|actual\_depth), data=df\_pos)

A close-up of a table

Description automatically generated with low confidence

mod\_neg <- lmer(neg\_s\_residual ~ groundPlane + (1|subjID) + (1|actual\_depth), data=df\_neg)

A close-up of a table

Description automatically generated with low confidence

A picture containing screenshot, diagram, line

Description automatically generated