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# Different X2 values around its median values (0 [mm/d])
param_x2 <- seq(from = -2, to = 2, by = 1)

# Combination of parameter values (X1, X3 and X4 are fixed; X2 changes)
param_gr4j <- expand.grid(X1 = 350,
                          X2 = param_x2,
                          X3 = 90,
                          X4 = 1.4)

# Streamflow simulations using parameter sets
sim_x2 <- apply(param_gr4j, MARGIN = 1, FUN = function(i_param_gr4j) {
  i_sim <- SimGR(PrepGR = prep_no_q,
                 Param = i_param_gr4j,
                 SimPer = per_sim,
                 verbose = FALSE)

  i_sim$OutputsModel$Qsim
})

# Graphical comparison
ind_zoom <- 400:430
col_param_x2 <- colorRampPalette(c("green1", "green4"))(ncol(sim_x2))
matplot(x = as.POSIXct(prep_no_q$InputsModel$DatesR[ind_zoom]),
        y = sim_x2[ind_zoom, ],
        xlab = "time [d]", ylab = "flow [mm/d]",
        type = "l", lty = 1, lwd = 2, col = col_param_x2)
legend("topright",
       legend = sprintf("% .1f", param_x2),
       lwd = 2, col = col_param_x2,
       title = "X2 values [mm/d]")

```