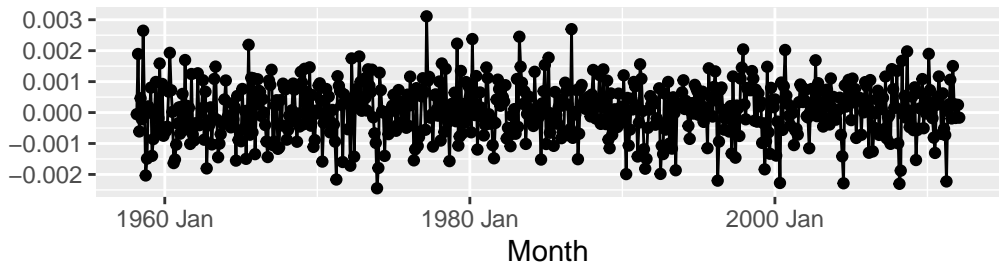Residual diagnostics for final log−ARIMA model