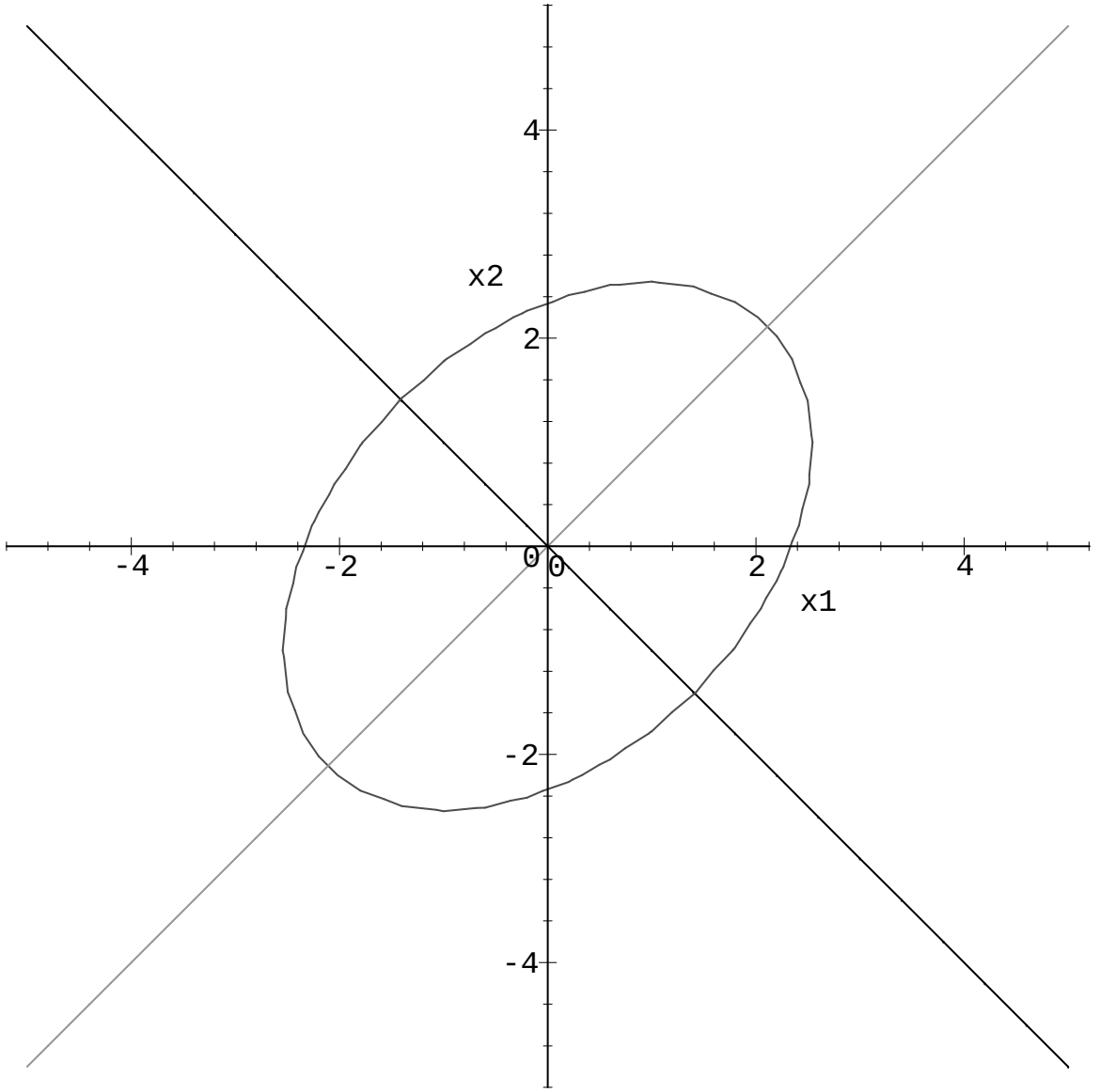$$13\,x_1^2 - 10\,x_1\,x_2 + 13\,x_2^2 = 72$$