

$$1 + da_{11}(a_{11}x_1 + a_{12}x_2)^{d-1} + da_{22}(a_{21}x_1 + a_{22}x_2)^{d-1} + d^2(a_{11}a_{22} - a_{12}a_{21})(a_{11}x_1 + a_{12}x_2)^{2d-2}(a_{21}x_1 + a_{22}x_2)^{2d-2}.$$