ABSTRACT

Gauss-Ewens Process is well described in previous works. In this work, Gauss-Ewens model had been reviewed in detail, and extended to a more general Multi-dimensional Gauss-Ewens case. Under this condition, a similar result to the existing works had been derived, which is handy for conversion into programming language in computation. Further, a new model: two-stage Gauss-Ewens model, adjusted from the original one is introduced and described in detail. A method of result visualization is also introduced in the simulation part.