## An existence for an Inverse problem for a qualisilinear parabolic equation and its numerical simulation

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Abstract In this paper we are concerned with quasilinear parabolic equation with homogeneous Cauchy and non-homogeneous Neumann condition arising from combustion theory by the Schauder  $\bar{x}$ ed point theorem and Green function of second homogeneous boudary value problem. We get a local existence result for the solution to an inverse problem on a semi-in-inte stand. Then we give the numerical algorithm and the algorithm examples show that this numerical algorithm is e±cient and available.