



ON A NONLOCAL-IN-TIME PARABOLIC PROBLEM

MICHEL CHIPOT

Institute of Mathematics
University of Zürich
Winterthurerstrasse 190
CH-8057 Zürich, Switzerland
(E-mail: m.m.chipot@math.uzh.ch)

Abstract. The goal of this note is to study a nonlinear parabolic problem nonlocal in time. We first establish the existence of a solution and its uniqueness in certain cases. Finally we consider its asymptotic behaviour.

Communicated by the editors; Received December 25, 2021

AMS Subject Classification: 35A01, 35D30, 35F25, 35K10.

Keywords: Nonlinear Parabolic Equations, Nonlocal in Time, Existence and Uniqueness, Stationary Problem.