

Ann. Funct. Anal. 1 (2010), no. 2, 7–11
ANNALS OF FUNCTIONAL ANALYSIS
<sup>1</sup> ISSN: 2008-8752 (electronic)
URL: www.emis.de/journals/AFA/

## COMPACT SUBSTITUTION OPERATORS ON WEIGHTED SPACES OF CONTINUOUS FUNCTIONS

H. KAMOWITZ<sup>1</sup> , R. K. SINGH<sup>2\*</sup> AND D. WORTMAN<sup>3</sup>

Communicated by D. H. Leung

ABSTRACT. In this short note we present a characterization of compact substitution operators on some weighted spaces of continuous functions.

<sup>1,3</sup> DEPARTMENT OF MATHEMATICS, UNIVERSITY OF MASSACHUSETTS AT BOSTON, DORCH-ESTER, MASSACHUSSETS 02125, USA.

*E-mail address*: hkamo@math.umb.edu *E-mail address*: dhw@math.umb.edu

<sup>2</sup>DEPARTMENT OF MATHEMATICS, LUCKNOW UNIVERSITY, LUCKNOW-226007, INDIA. *E-mail address*: rajkishore@hotmail.com

*Date*: Received: 18 October 2010; Accepted: 3 December 2010 \* Corresponding author.

2010 Mathematics Subject Classification. Primary 47B33; Secondary 46J99, 47B38.

 $Key\ words\ and\ phrases.$  Substitution operators, weighted spaces of continuous functions, system of weights.