

# Turkish Journal of Mathematics

Turkish Journal

of

Mathematics

Some Remarks on the  $L^p - L^q$  Boundedness of  $uC_\varphi$


M. R. JABBARZADEH

Faculty of Mathematical Science

University of Tabriz 51664

Tabriz-IRAN

e-mail: mjabbar@tabrizu.ac.ir

 [Keywords](#)  
 [Authors](#)

**Abstract:** In this paper we will consider the weighted composition operators between two different  $L^p$ -spaces and then we characterize the functions  $u$  and transformations  $\varphi$  that induce weighted composition operator  $uC_\varphi$  between  $L^p(X, \Sigma, \mu)$ -spaces by using some properties of conditional expectation operator, pair  $(u, \varphi)$  and the measure space  $(X, \Sigma, \mu)$ .

**Key Words:** Weighted composition operator, conditional expectation, multiplication operator



[math@tubitak.gov.tr](mailto:math@tubitak.gov.tr)

Turk. J. Math., **31**, (2007), 257-263.

Full text: [pdf](#)

[Scientific Journals Home](#)  
[Page](#)

Other articles published in the same issue: [Turk. J. Math., vol.31, iss.3.](#)