ON LACUNARY $\mathcal{I}$ CONVERGENT FOR FIBONACCI DIFFERENCE SEQUENCE SPACES DEFINED BY A COMPACT OPERATOR

ABDULLAH A. A. MAKHARESH

Department of Mathematics
Mahrah University,Yemen
(E-mail: abumjdi51@gmail.com)

and

MOHAMMAD AHMAD[†]

Department of Mathematics
NDA Khadakwasla Pune, India
(E-mail: mahmadhiba@gmail.com)

Abstract. In this paper we introduce and study the concept of lacunary ideal convergent for Fibonacci difference sequence spaces defined by a compact operator. Throughout the paper $T(c_0^{\mathcal{I}_\theta}, \hat{F})$, $T(c^{\mathcal{I}_\theta}, \hat{F})$ and $T(\ell_\infty^{\mathcal{I}_\theta}, \hat{F})$ denote lacunary ideal null, lacunary ideal convergent and lacunary ideal bounded Fibonacci difference sequence space,respectively.