

ITERATES OF STANCU OPERATORS (VIA FIXED POINT PRINCIPLES) REVISITED

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Abstract. In this paper we use some fixed point principles to study the convergence of the iterates of Stancu operators. To do this we shall investigate the existence of an invariant expression and a Volterra interval for some classes of positive linear operators on $C[0, 1]$, preserving constant and only constant functions. Stancu's operators are relevant examples of such operators.

Key Words and Phrases: Fixed point, weakly Picard operator, linear positive operator, invariant expression, Volterra interval.

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