

Abstract

in this paper we will show that the modified sp - iteration can be used to approximate fixed point of contraction mapping under certain condition. Also, we -show that this iteration method is faster than Mann, Ishikawa and Picard s iteration. Also, we have proof provided shown that the Picard s - iteration method converge faster than Modified sp - iteration and also faster than all Mann and .Ishikawa. Also , we give a numerical example