

Abstract Details

Title: Fractional Integration and Differentiation of Hyper-Geometric Function for Power Function

Author: Mohd. Farman Ali, Manoj Sharma, Renu Jain

Abstract: In This paper, we have to convert hyper-geometric function into hyper-geometric function for power function. The applications of hyper-geometric function in a various field of physical and applied science are demonstrated, the success of the application of hyper-geometric function in many areas of science and engineering. So, the function and its properties are useful for solving the problems in physics, biology and science.

Keywords: Fractional calculus operators, Hyper-geometric function, Special functions, Mathematics Subject Classification-26A33, 33C60, 44A15.