1134-35-76 **Rizwan Rizwan*** (rixwan4630@gmail.com), Department of Mathematics University of Pesha, Peshawar, 25000, Pakistan, **Noor Badshah** (noor2knoor@gmail.com), UET, Peshawar, 25000, Pakistan, and **Akbar Zada** (akbarzada@upesh.edu.pk), UOP, Peshawar, 25000, Pakistan.
Fractional Order Total Variational Based Model For Multiplicative Noise Removal.

In this paper we proposed a new fractional order total variation (FOTV) based model via weighted statistic for restoration of images corrupted with multiplicative noise. Explicit time marching scheme is applied to find the solution of the corresponding Euler-Lagrange partial differential equation. Experimental results demonstrate that our proposed methodology improves the visual quality of the restored images as well as increase the peak signal to noise ratio (PSNR) over other existed methods.

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