

4. Conclusion

This experimental study was conducted to study an accurate brain tissues segmentation method using a parallel computing algorithm in MRI images. In addition to evaluate the usage of new nonlinear approach for contrast enhancement of soft tissues in MRI images in order to study automatic extraction of brain. In image processing, filters are mainly used to suppress either the high frequencies in the image, i.e. smoothing the images or the low frequencies, i.e. enhancing or detecting edges in the image. Due to various factors the images are in general poor in contrast. Researchers applied image pre-processing to remove artefacts and degradations such as blurring and noise. A variety of smoothing filters have been developed that are not linear. While they cannot, in general, be submitted to Fourier analysis, their properties and domains of application have been studied extensively. For this reason researchers applied anisotropic filtering and median filtering. In study method anisotropic and median filtering algorithms were used.

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