

## References

1. Ngan H Y T, Pang G K H, Yung N H C. Automated fabric defect detection a review. *Image and Vision Computing* 2011; 7: 442–458.
2. Cohen F, Fan Z, Attali S. Automated inspection of textile fabrics using textural models. *Pattern Analysis and Machine Intelligence* 1991; 8: 803–808.
3. Baykut A, Atalay A, Erçil A, Güler M. Real-time defect inspection of textured surfaces. *Real-Time Imaging* 2000; 1: 17–27.
4. Latif-Amet A, Ertüzün A, Erçil A. An efficient method for texture defect detection: sub-band domain co-occurrence matrices. *Image and Vision Computing* 2000; 6: 543–553.
5. Chan C H, Pang G K H. Fabric defect detection by Fourier analysis. *IEEE Transactions on Industry Applications* 1999; 5: 1743-1750.
6. Yang X Z, Pang G, Yung N. Discriminative training approaches to fabric defect classification based on wavelet transform. *Pattern Recognition* 2004; 5: 889-899.
7. Kim S C, Kang T J. Texture classification and segmentation using wavelet packet frame and Gaussian mixture model. *Pattern Recognition* 2007; 4: 1207-1221.
8. Hou Z, Parker J M. Texture defect detection using support vector machines with adaptive gabor wavelet features. In: *7th IEEE Workshop on Applications of Computer Vision*, 2005; pp. 275-280, New Jersey: IEEE.
9. Pentland A P. Fractal-based description of natural scenes. *Pattern Analysis and Machine Intelligence* 1984; 6: 661-674.
10. Lundahl T, Ohley W J, Kay S M, Siffert R. Fractal Brownian motion: A maximum likelihood estimator and its application to image texture. *IEEE Transactions on Medical Imaging* 1986; 3: 152-161.
11. Chen C C, Daponee J S, Fox M D. Fractal feature analysis and classification in medical imaging. *Transactions on Medical Imaging* 1989; 2: 133-142.
12. Conci A, Proença C B. Fractal image analysis system for fabric inspection based on a box-counting method. *Computer Networks and ISDN Systems* 1998; 20: 1887-1895.
13. Wen C Y, Chou S, Liaw J J. Textural defect segmentation using a fourier-domain maximum likelihood estimation method. *Textile Research Journal* 2002; 3: 253-258.
14. Bu H, Huang X. A novel multiple fractal features extraction framework and its application to the detection of fabric defects. *Journal of the Textile Institute* 2013; 5: 489-497.
15. Parrinello T, Vaughan R A. Multifractal Analysis and feature extraction in satellite imagery. *International Journal of remote sensing* 2002; 9: 1799-1825.
16. Lassouaoui N, Belouchrani A, Hamami-Mitiche L. On the use of multifractal analysis and genetic algorithms for the segmentation of cervical cell images. *International Journal of Pattern Recognition and Artificial Intelligence* 2003; 7: 1227-1244.
17. Bezdek J. C. *Pattern Recognition with Fuzzy Objective Function Algorithms*. New York: Plenum, 1981.
18. Balafar M A, Ramli A R, Iqbal S M, Mahmud R, Mashohor S, Balafar H. MRI segmentation of Medical images using FCM with initialized class centers via genetic algorithm. *International Symposium on Information Technology*. Kuala Lumpur, Malaysia, 2008, pp. 1-4.
19. Lee D J, Lee J P, Ji P S, Park J W, Lim J Y. Fault Diagnosis of Power Transformer Using SVM and FCM. *Conference Record of the 2008 IEEE International Symposium on Electrical Insulation*, Vancouver, BC, 2008, pp. 112-115.
20. Pruess S A *Fractals in the earth sciences*. New York: Springer, 1994.
21. Gao X B. *Fuzzy clustering analysis and application*. Xian: Xi Dian Press, 2004.
22. Pal N R, Bezdek J. C. On Clustering for the fuzzy c-means model. *IEEE Transactions on Fuzzy System* 1995; 3: 370-379.