4 Conclusion

With network developing quickly, information is expanding greatly. Future IDS will burden larger database, the response speed of IDS will become more and more important. This requires higher efficiency of mining database. We can solve the problem from two aspects. On the one hand, we analyse the characteristic of audit data, optimize the mining algorithm; on the other hand, we use DDB to manage data that are classified, and use distributed processors to process these data, the center console of IDS gathers results and makes decision.

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Abstract [In: Wuhan Daxue Xuebao (Lixue Ban), 2002, 48(5):617~620]

Some Researches of IWT in the Field of Image Compression

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Abstract: Integer wavelet transform (IWT) is a method that map integers to integers based on lifting scheme, which plays a more and more important role in the field of lossy/lossless image compression. Some questions about IWT, such as the relationship between IWT and vanish moment, the comparison between IWT and DWT in lossy compression, and the effect on the compression by different edge extensions, have been discussed in the paper, and some important conclusions have been drawn. The conclusions will play an important directive role in the inner mechanism understanding of IWT and the compression of signals such as Images.

Key words: integer wavelet transforms; vanish moment; factorization; edge extension