Printer Ballistics Through Texture Analysis of Characters

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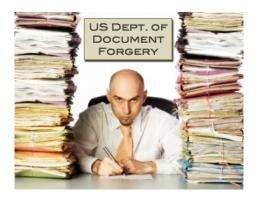
References





Motivation

- We (still) live in a "paper era"
- Documents forgery has become common
- There is a way to relate a document to a specific printer?







Printer attribution

A way to do this is called "Printer Attribution"

Methods

- Geometric distortion
- Texture analysis of characters





Geometric distortion

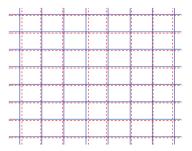


Figura 1: Geometric distortion ¹

¹Geometric Distortion Signatures for Printer Identification[1]





Texture analysis of characters







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Bibliography



Orhan Bulan, Junwen Mao, and Gaurav Sharma. Geometric distortion signatures for printer identification. In *Proceedings of the 2009 IEEE International Conference on Acoustics, Speech and Signal Processing*, ICASSP '09, pages 1401–1404, Washington, DC, USA, 2009. IEEE Computer Society.





Thanks

Thanks!

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