

事故現場血跡痕自動識別之研究

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摘要

影像處理技術隨著科技的進步，在各應用領域上扮演著重要的角色，特別是圖形識別更是被廣泛應用，其中包括生物特徵識別、安全監控系統，與醫學影像等。在交通事故鑑定上，常為了分辨跡證是否為血跡痕而引起爭議，所以本研究開發血跡痕辨識系統，以協助鑑識人員在鑑識過程中能夠更容易辨別血跡痕。本研究以YC ' gC ' r色彩空間為基礎找出血跡痕區域，再使用型態學與快速八連通法將類血跡痕區塊從影像中分割出來，然後再利用灰階共生矩陣(Grey Level Co-occurrence Matrix; GLCM)將真正的血跡痕區塊找出來。透過實驗結果發現，本研究提出之血跡痕區塊偵測法對於血跡痕鑑識有令人滿意的結果。

關鍵詞：血跡偵測、血跡辨識、色彩分割

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