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†(　)

Weather recognition from in-vehicle camera image for driver assistance

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1. はじめに

[1]

2. 部分空間法を用いた雨滴検出手法

(1)

(2)

i

1　　0

$$\mathbf{x}_i \square (x_1, x_2, \square, x_N)^T \qquad (1)$$

K

$\mathbf{X} \square [\mathbf{x}_1, \mathbf{x}_2, \square, \mathbf{x}_K]$

$\mathbf{Q} \square \mathbf{X}\mathbf{X}^T$　　$\mathbf{Q}$　　R

$\{\mathbf{e}_1, \mathbf{e}_2, \square, \mathbf{e}_R\}$

(3)

$\mathbf{a}$

$\mathbf{a}$

$$\sum_{r\square 1}^{R} (\mathbf{a}, \mathbf{e}_r) \qquad ((x, y) \qquad)$$

3. 実験

300

(Fig.1)　　0.75

Fig.2　　Fig.3

4. おわりに

謝辞

21　　COE

[1]　　”　　”
NIKKEI ELECTRONICS　pp57　68　2003.8.4

Fig.1　　($\mathbf{e}_1$,$\mathbf{e}_2$,$\mathbf{e}_3$)

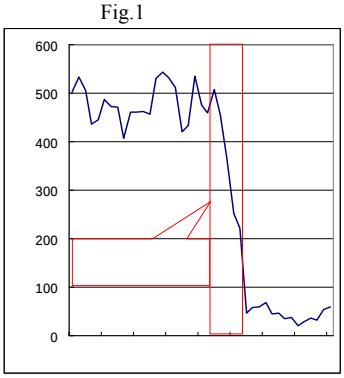

Fig.2

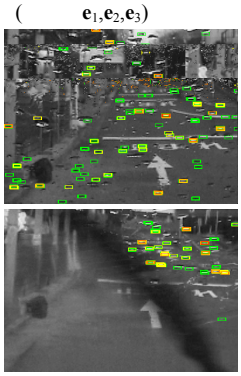

Fig.3

(　:　　,　:　　)