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Recognition of Foggy Density by In-vehicle Camera

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1. まえがき

2. 視認性に関する指標

Fig.1

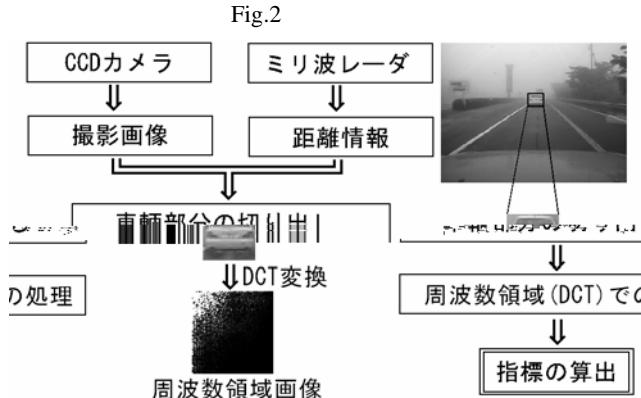


Fig.1

Fig.2

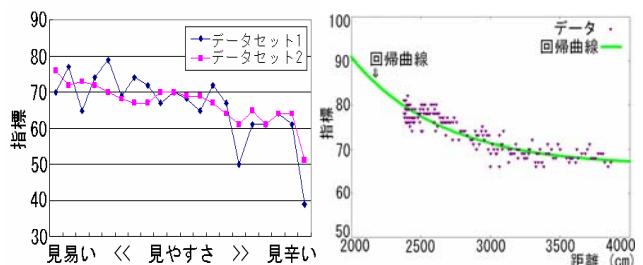


Fig.3

Fig.4

4. 考察

(Fig.4)

Koschmieder

$$L = L_0 e^{-kd} + L_f (1 - e^{-kd}) \quad [1]$$

$$L \quad L_0 \quad k \quad L_f$$

$$d \quad d$$

$$[2] \quad L_0 \quad L_f \quad k \quad L \quad d$$

$$a, b, c \quad a, b, c$$

$$L = ae^{-bd} + c \quad [2]$$

[2]

(Fig.4)

5. むすび

Fig.2

3. 提案指標の評価実験

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6. 謝辞

COE

(Fig.3)

Fig.3

- (1) Nicolas HAUTIERE, Raphael LABAYRADE and Didier AUBERT,
 "Detection of Visibility Conditions through use of Onboard Cameras",
 in Proc. IEEE Intelligent Vehicle 2005, pp.193-198, 2005 6