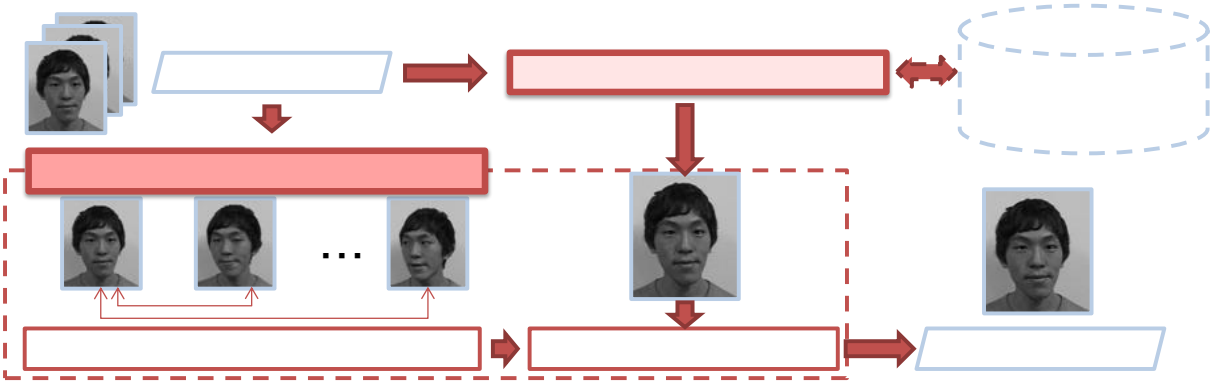
O3-3

複数フレーム型と学習型の組み合わせによる低解像度顔画像の超解像



2

2. 提案手法

2.1 概要

2

a b c

3

2.2 学習型超解像処理

[6]

2.3.1. 位置合わせ処理

2

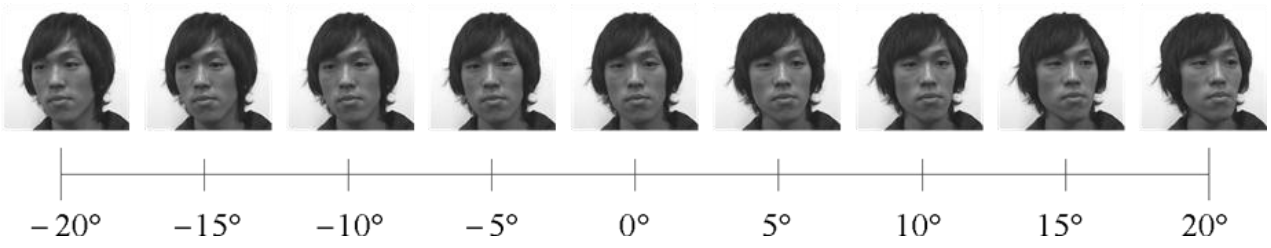
[1]

3 [9]

2.3.2. 再構成処理

2.3 複数フレーム型超解像処理

MAP Maximum A Posteriori [2]



MAP

a b c d

6

20 pixels 64 pixels

[10]

3.2 実験結果

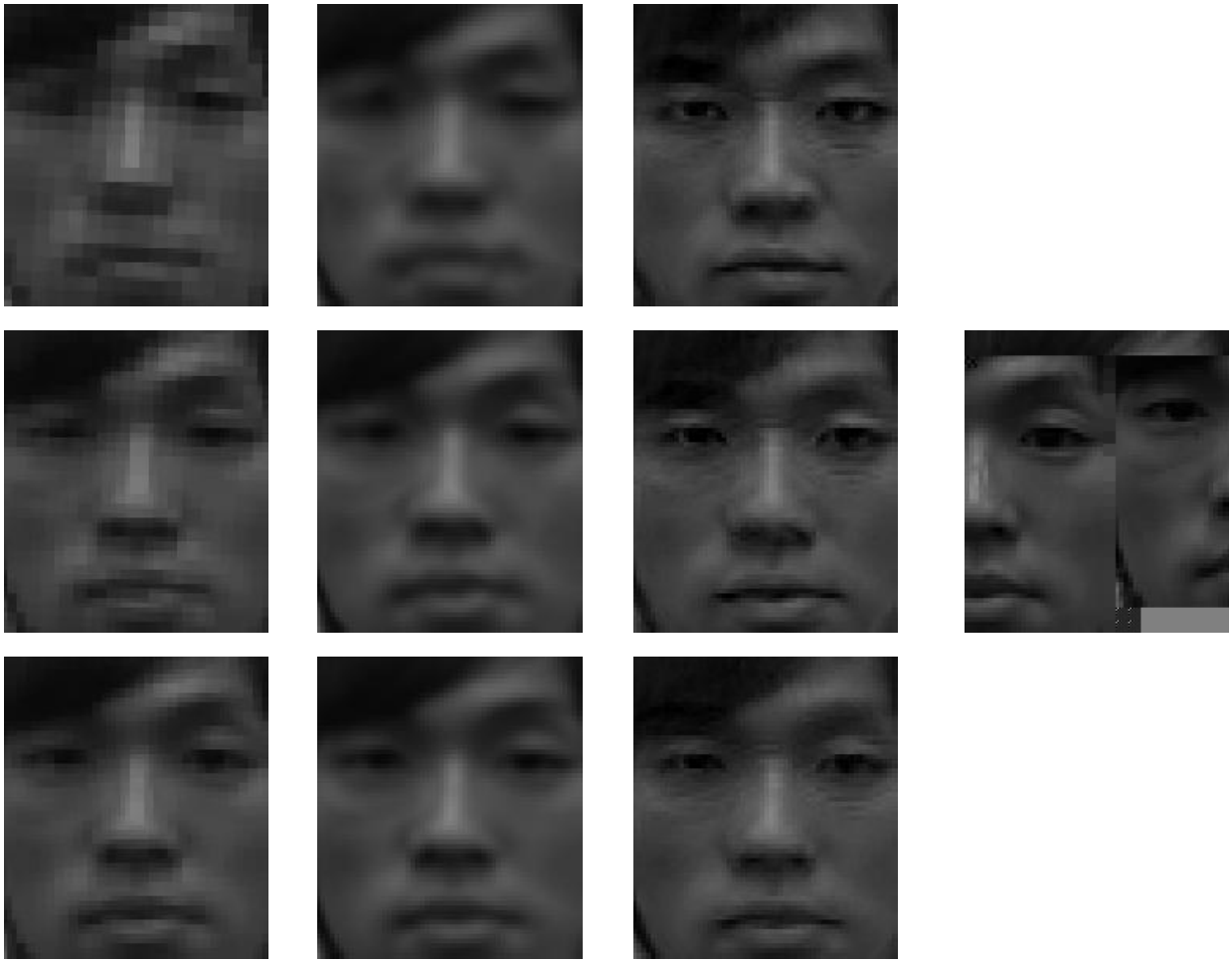
5 5

29

300 20

pixels

65.5% 86.2%



a b c d

7 12x12 pixels 24x24 pixels 32x32 pixels

6 7

3.3 考察

1

5

20 pixels

12%

4. むすび

7

[1]
20.7%

謝辞

MIST http://mist.murase.m.is.nagoya-u.ac.jp/

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