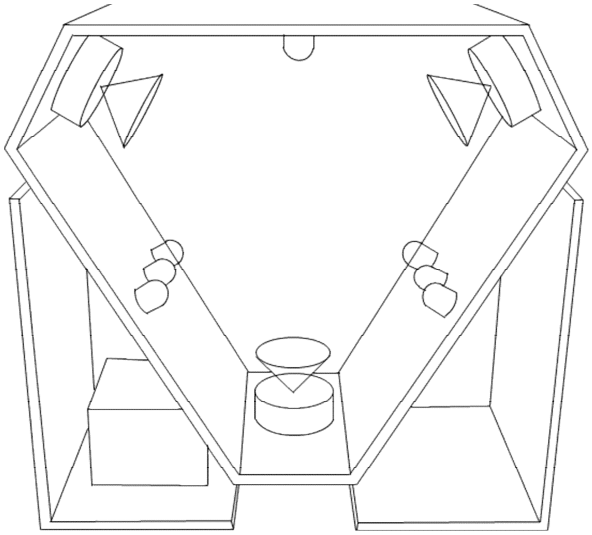


Figure 1

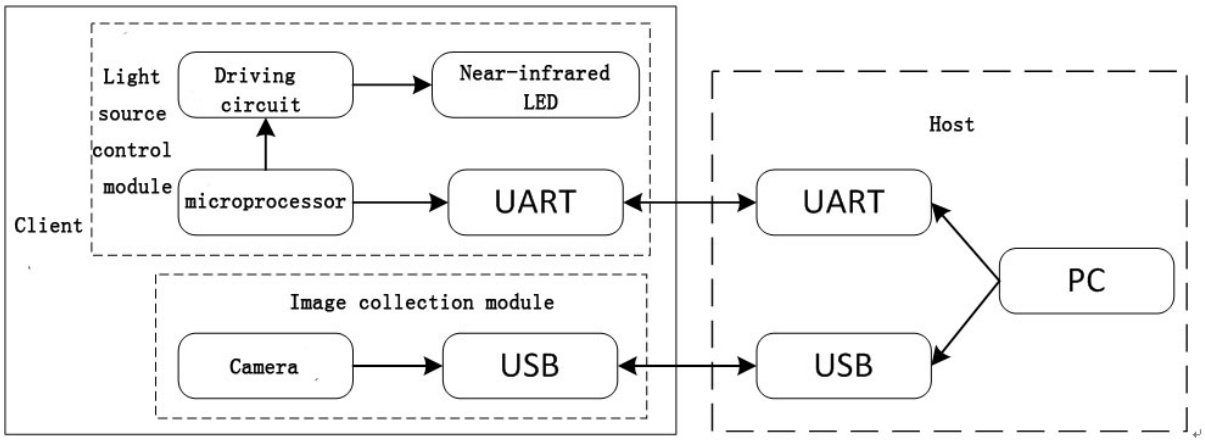


Figure 2

Figures

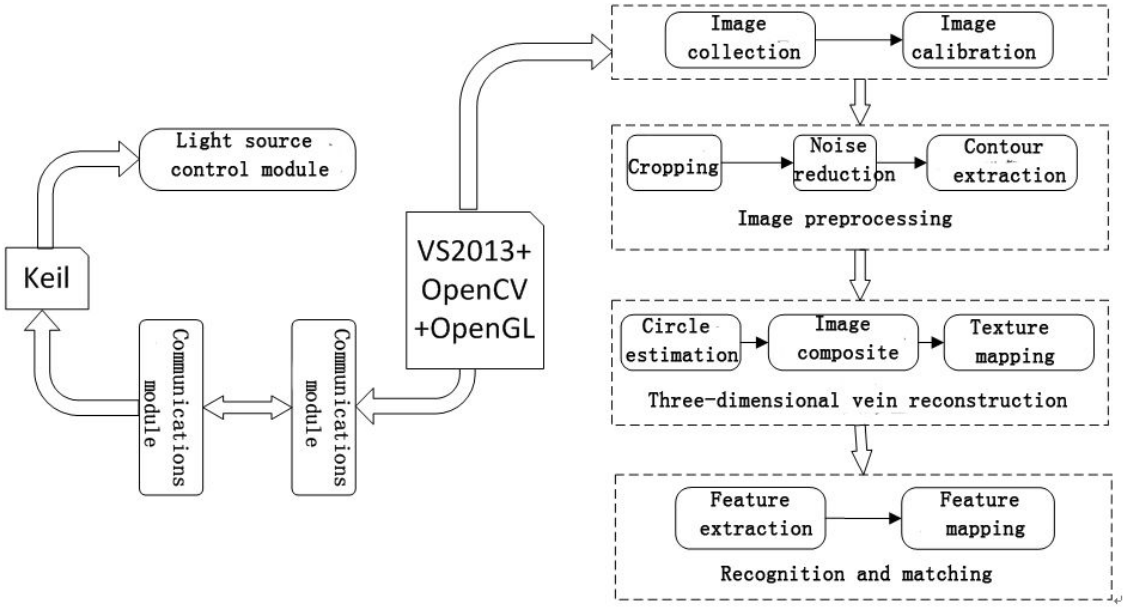


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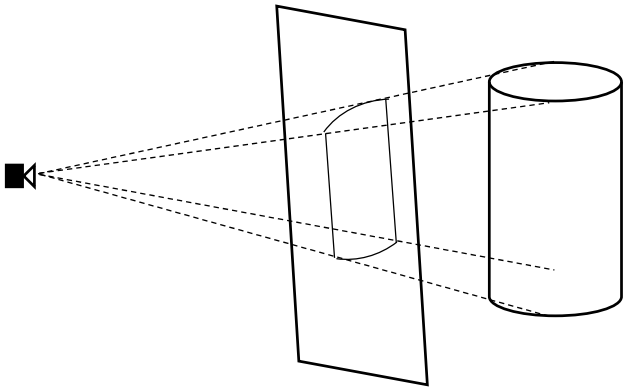


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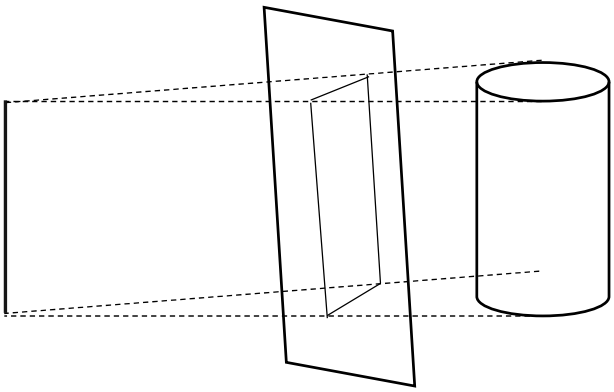


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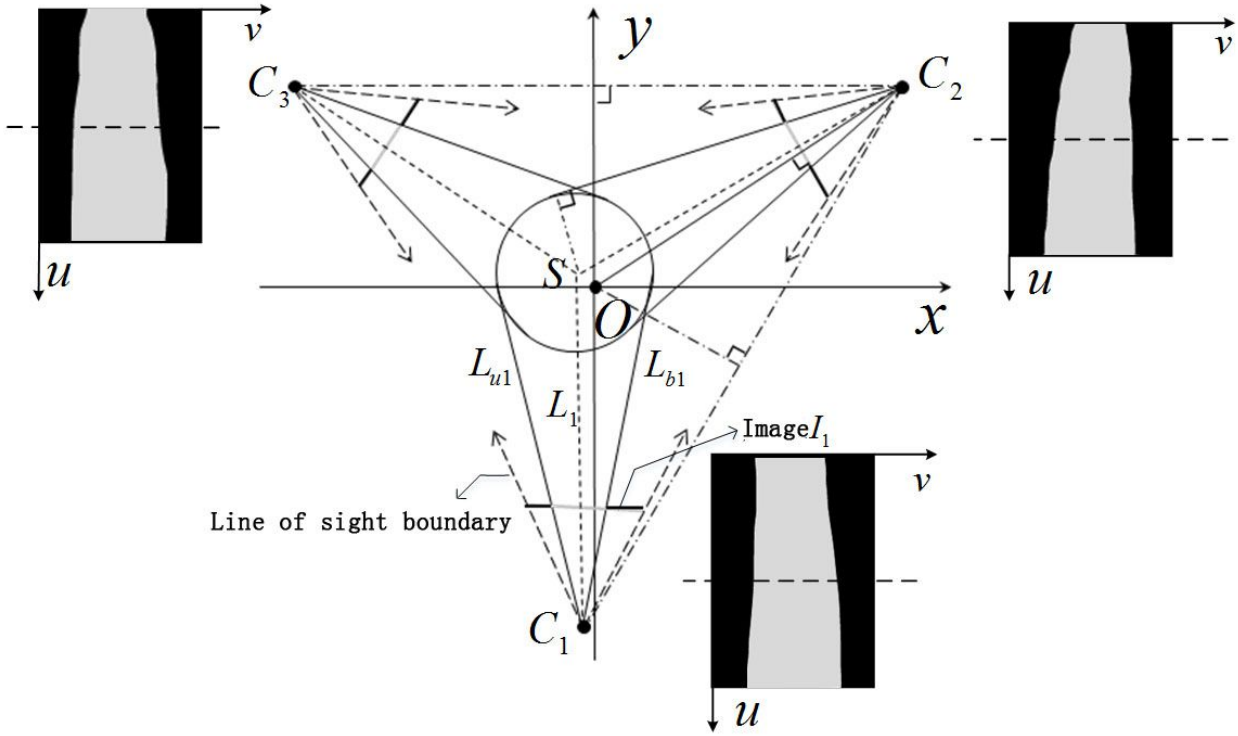


Figure 6

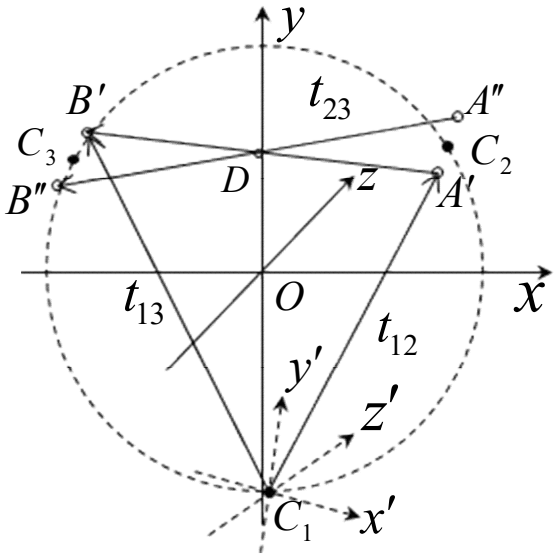


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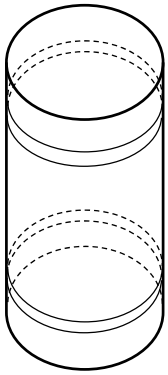


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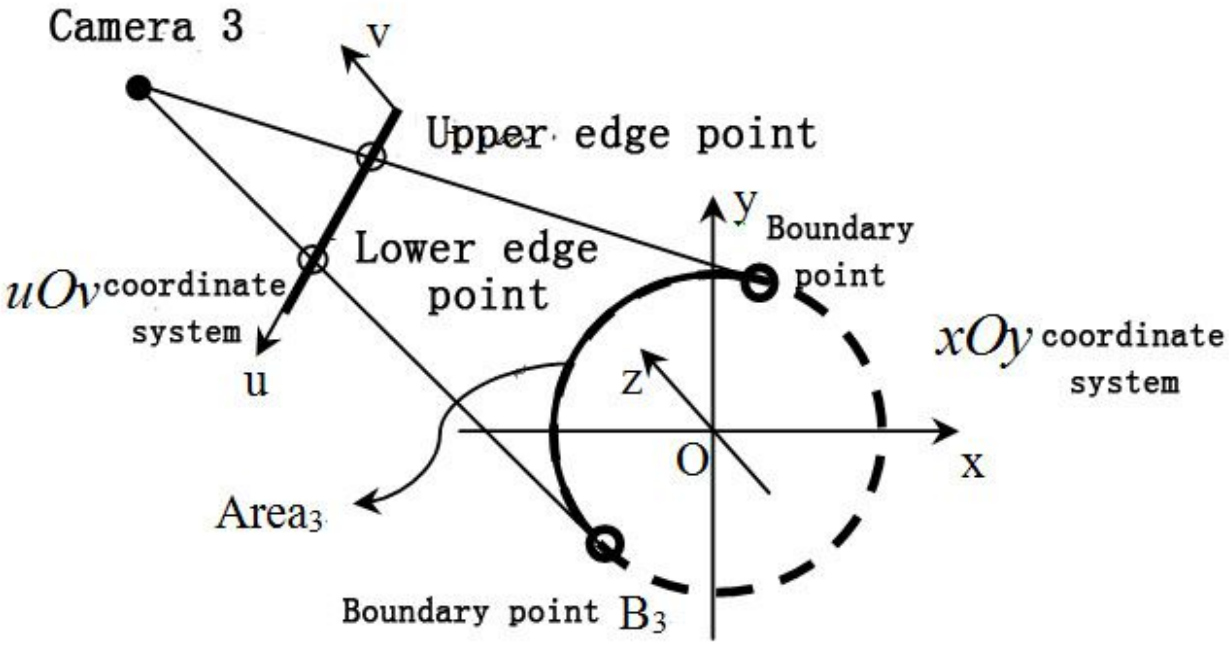


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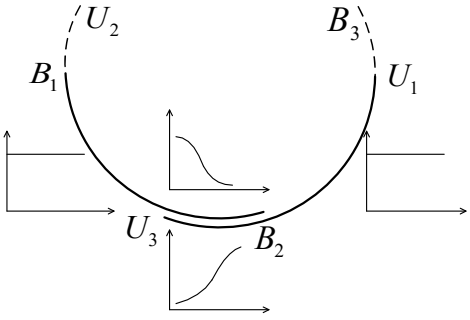


Figure 10

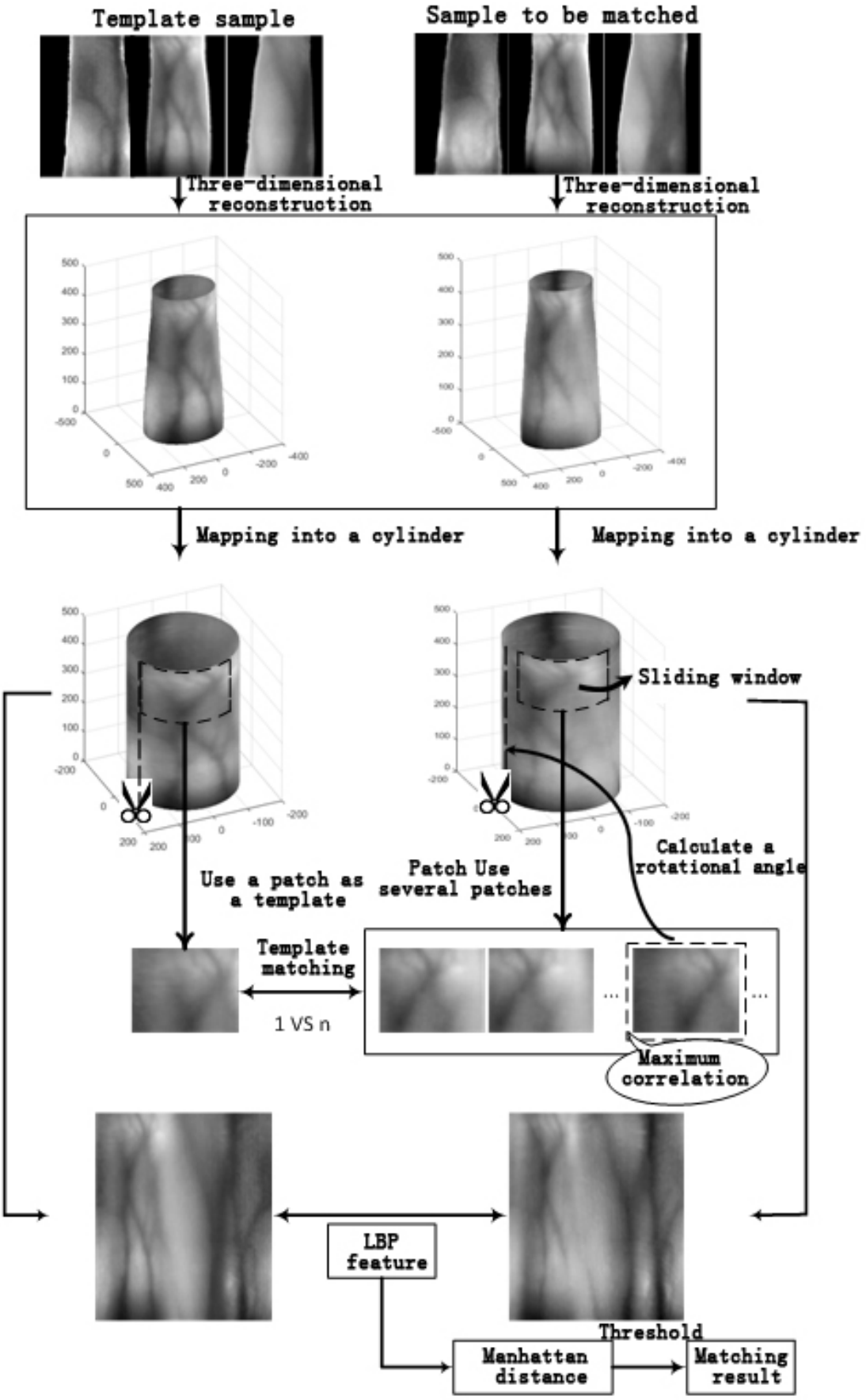

Template sample
Sample to be matched
Three-dimensional reconstruction
Three-dimensional reconstruction
Mapping into a cylinder
Mapping into a cylinder
Sliding window
Calculate a rotational angle
Use a patch as a template
Patch Use several patches
Template matching
1 VS n
Maximum correlation
LBP feature
Threshold
Manhattan distance
Matching result

Figure 11

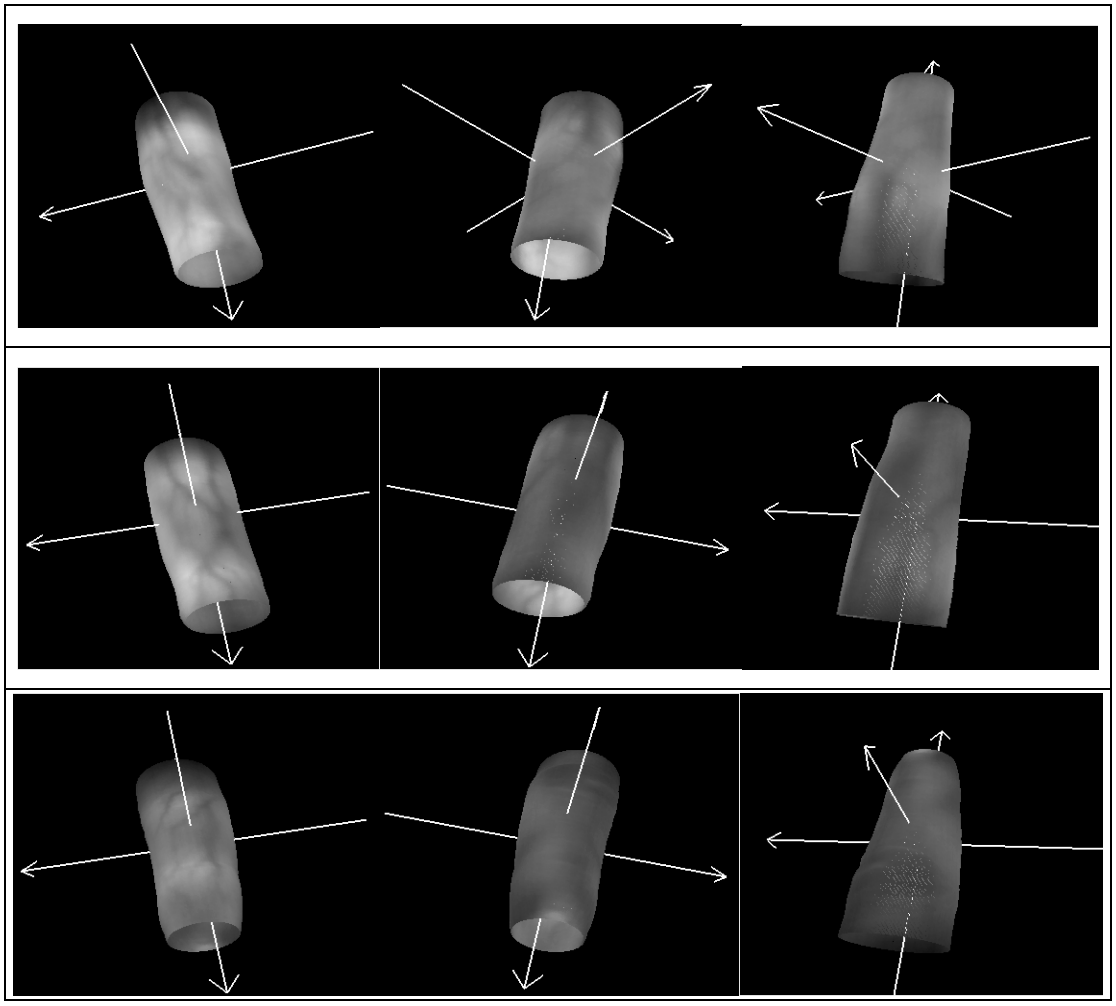


Figure 12

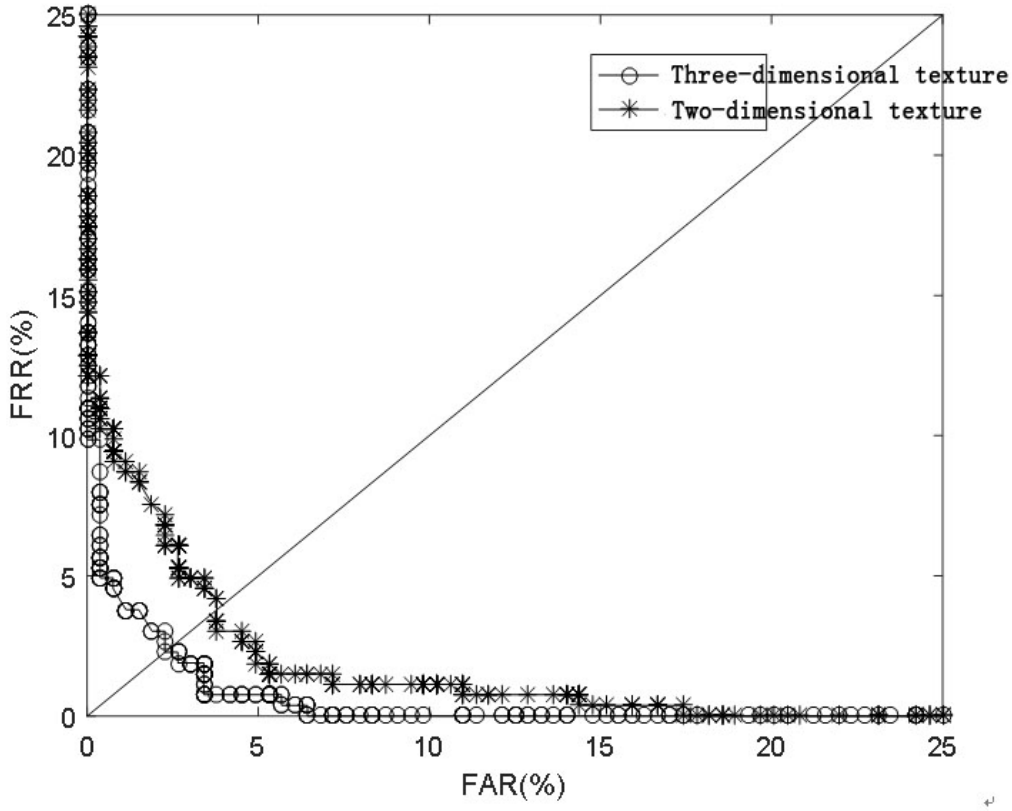


Figure 13

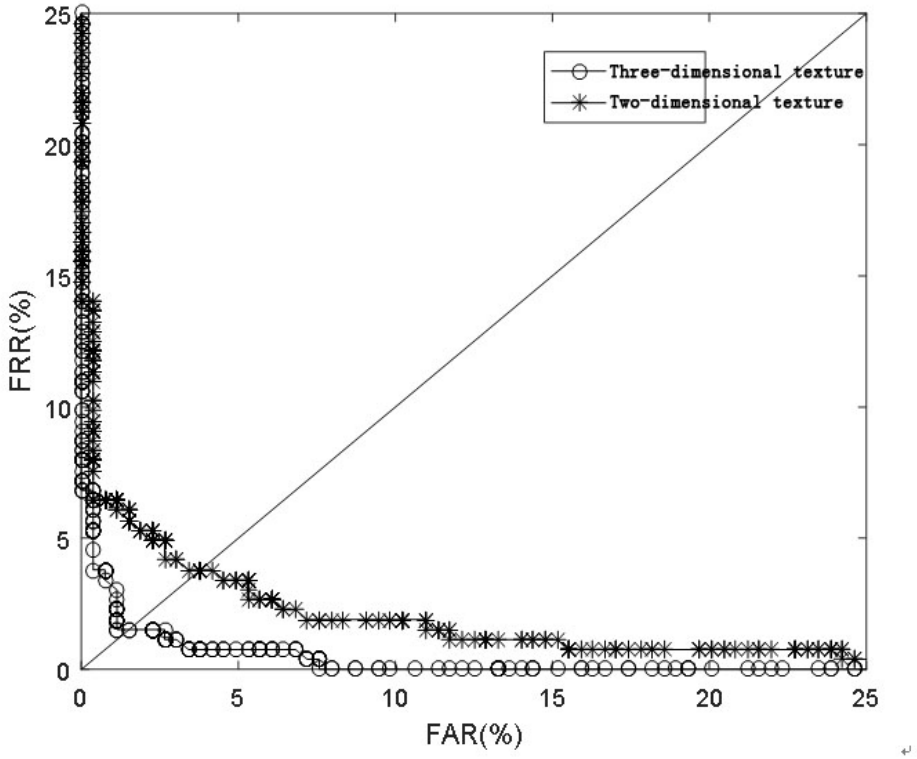


Figure 14