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Yi Li · Huaibo Huang · Ran He · Tieniu Tan

Heterogeneous Facial Analysis and Synthesis

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Yi Li
Institute of Automation, Chinese Academy of Sciences
Beijing, China

Huaibo Huang
Institute of Automation, Chinese Academy of Sciences
Beijing, China

Ran He
Institute of Automation, Chinese Academy of Sciences
Beijing, China

Tieniu Tan
Institute of Automation, Chinese Academy of Sciences
Beijing, China

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Contents

1 Introduction 1
1.1 Overview 1
1.1.1 Heterogeneous Faces 1
1.1.2 Topology Guided Face Synthesis 2
1.1.3 Task Review 3
1.2 Outline 5
References 6

2 Foundation 11
2.1 Deep Face Representation 11
2.1.1 CNN Based Face Recognition 11
2.1.2 Max-Feature-Map Operation 12
2.1.3 Light CNN 14
2.2 Deep Generative Models 18
2.2.1 Generative Adversarial Network 18
2.2.2 Variational Auto-Encoder 19
2.3 Summary 20
References 21

3 Topology-Invariant Synthesis 25
3.1 Cross-Spectral Face Hallucination 25
3.1.1 VIS Versus NIR Face Recognition 25
3.1.2 Translation from NIR Images to VIS Images 27
3.1.3 Adversarial Discriminative Feature Learning 28
3.1.4 Experimental Results 30
3.2 Makeup Cleanser 32
3.2.1 Removing Makeup Automatically 32
3.2.2 A Bi-level Adversarial Network 33
3.2.3 Makeup Portrait Disentanglement 36

3.2.4 Semantic-Aware Makeup Cleanser . . . 40
3.2.5 Experimental Results . . . 41
3.3 Wavelet-Domain Age Synthesis . . . 42
3.3.1 Introduction . . . 42
3.3.2 Notations . . . 44
3.3.3 Wavelet Transform . . . 44
3.3.4 Age Synthesizer in Frequency Domain . . . 45
3.3.5 Network Training Strategy . . . 46
3.3.6 Experimental Results . . . 48
3.4 Summary . . . 49
References . . . 50

4 Topology-Variant Synthesis . . . 53
4.1 Face Rotation . . . 53
4.1.1 Pose-Invariant Face Recognition . . . 53
4.1.2 Two-Pathway GAN . . . 54
4.1.3 Couple-Agent Pose-Guided GAN . . . 57
4.1.4 High Fidelity Pose Invariant Model . . . 61
4.1.5 Experimental Results . . . 65
4.2 Face Expression Synthesis . . . 66
4.2.1 Introduction . . . 66
4.2.2 Geometry-Guided GAN . . . 67
4.2.3 Couple-Agent Face Parsing GAN . . . 71
4.2.4 Experimental Results . . . 75
4.3 Face Super-Resolution . . . 77
4.3.1 Introduction . . . 77
4.3.2 Wavelet Domain Face Super-Resolution . . . 78
4.3.3 Loss Function . . . 79
4.3.4 Network Architecture . . . 81
4.3.5 Experimental Results . . . 83
4.4 Face Completion . . . 85
4.4.1 Introduction . . . 85
4.4.2 Network Architecture . . . 86
4.4.3 Loss Functions . . . 88
4.4.4 Experimental Results . . . 90
4.5 Summary . . . 91
References . . . 92

5 Suggestion . . . 95
5.1 Data . . . 95
5.1.1 Diversity . . . 95
5.1.2 Quality . . . 96
5.2 Method . . . 96
References . . . 97

Acronyms

AAM	Active appearance model
ADFL	Adversarial discriminative feature learning
AG	Age group
ARDL	Adversarial residual dictionary learning
BLAN	Bi-level adversarial network
CAFP-GAN	Couple-agent face parsing GAN
CAPG-GAN	Couple-agent pose-guided GAN
CNN	Convolutional neural network
FAR	False accept rate
FCENet	Face completion and editing network
FESN	Facial expression synthesis network
FLOPS	Floating-point operations per second
FPPN	Face parsing prediction network
G2-GAN	Geometry-Guided GAN
GAN	Generative adversarial network
GSNet	Global specific network
HF-PIM	High fidelity pose invariant model
HFR	Heterogeneous face recognition
HG	Hourglass
HR	High-resolution
LI	Lateral inhibition
LR	Low-resolution
LSNet	Local specific network
MFM	Max-feature-map
MSE	Mean squared error
MUP-D	Makeup portrait disentanglement
NIR	Near-infrared
ReLU	Rectified linear unit
SAMC	Semantic-aware makeup cleanser
SAT	Semantic-aware texture

SISR	Single image super-resolution
SR	Super-resolution
TIR	Thermal infrared
TP-GAN	Two-Pathway GAN
VAE	Variational auto-encoder
VGG	Oxford Visual Geometry Group
VIS	Visual
WaveletGLCA	Wavelet-domain global and local consistent age
WT	Wavelet transform