<u>Dashboard</u> / My courses / <u>XLAN7FA23</u> / <u>Chương 7: Trích suất đặc trưng của ảnh</u> / <u>Chương 7: Trắc nghiệm kiến thức</u>

Started on	Saturday, 25 November 2023, 10:57 AM
State	Finished
Completed on	Saturday, 25 November 2023, 11:07 AM
Time taken	10 mins 25 secs
Marks	46.00/50.00
Grade	9.20 out of 10.00 (92 %)
Question 1	
Complete	
Mark 1.00 out of 1.00	
Principal componer	nts are commonly used as feature descriptors to capture:
Select one:	
a. Shape info	rmation
b. Spatial reso	
c. Color infor	
d. Texture info	
o d. Texture IIII	Anida on
Question 2	
Complete	
Mark 1.00 out of 1.00	
Select one: a. Sensitivity	
Select one: a. Sensitivity to b. Limited fea	to image noise ture detection
Select one: a. Sensitivity to b. Limited fea c. Dependence	to image noise

2	
Question 3	
Complete	
Mark 1.00 o	ut of 1.00
How do	es SIFT achieve scale invariance?
Select o	ne:
a.	By applying color correction
b.	By using scale-space representation
O c.	By adjusting the contrast
O d.	By resizing the image
Question 4	
Complete	
	the purpose of histogram of oriented gradients (HOG) in image feature extraction?
	the purpose of histogram of oriented gradients (HOG) in image feature extraction?
What is Select o	the purpose of histogram of oriented gradients (HOG) in image feature extraction? ne: Highlighting object boundaries
What is Select o a. b.	the purpose of histogram of oriented gradients (HOG) in image feature extraction? ne: Highlighting object boundaries Extracting texture information
What is Select o a. b. c.	the purpose of histogram of oriented gradients (HOG) in image feature extraction? ne: Highlighting object boundaries Extracting texture information Describing color distribution
What is Select o a. b. c.	the purpose of histogram of oriented gradients (HOG) in image feature extraction? ne: Highlighting object boundaries Extracting texture information
What is Select o a. b. c. d.	the purpose of histogram of oriented gradients (HOG) in image feature extraction? ne: Highlighting object boundaries Extracting texture information Describing color distribution
What is Select o a. b. c. d.	the purpose of histogram of oriented gradients (HOG) in image feature extraction? ne: Highlighting object boundaries Extracting texture information Describing color distribution
What is Select o a. b. c.	the purpose of histogram of oriented gradients (HOG) in image feature extraction? ne: Highlighting object boundaries Extracting texture information Describing color distribution Capturing shape information
What is Select o a. b. c. d.	the purpose of histogram of oriented gradients (HOG) in image feature extraction? ne: Highlighting object boundaries Extracting texture information Describing color distribution Capturing shape information
What is Select o a. b. c. d. Question 5 Complete Mark 1.00 o	the purpose of histogram of oriented gradients (HOG) in image feature extraction? ne: Highlighting object boundaries Extracting texture information Describing color distribution Capturing shape information
What is Select o a. b. c. d.	the purpose of histogram of oriented gradients (HOG) in image feature extraction? ne: Highlighting object boundaries Extracting texture information Describing color distribution Capturing shape information ut of 1.00 whole-image features describe in image processing?
What is Select of a. b. c. d. Question 5 Complete Mark 1.00 of the complete Select of the complete of th	the purpose of histogram of oriented gradients (HOG) in image feature extraction? ne: Highlighting object boundaries Extracting texture information Describing color distribution Capturing shape information ut of 1.00 whole-image features describe in image processing?
What is Select of a. b. c. d. Question 5 Complete Mark 1.00 of the description of the description of a.	the purpose of histogram of oriented gradients (HOG) in image feature extraction? ne: Highlighting object boundaries Extracting texture information Describing color distribution Capturing shape information ut of 1.00 whole-image features describe in image processing? ne:
What is Select of a. b. c. d. Question 5 Complete Mark 1.00 of the complete of a. Select of a. b.	the purpose of histogram of oriented gradients (HOG) in image feature extraction? ne: Highlighting object boundaries Extracting texture information Describing color distribution Capturing shape information ut of 1.00 whole-image features describe in image processing? ne: Specific regions of interest

Question 6	
Complete	
Mark 1.00 c	ut of 1.00
In imag	e processing, what is the purpose of histogram features?
minag	e processing, what is the purpose of histogram reatures.
Select o	one:
○ a.	Reducing dimensionality
O b.	Achieving scale invariance
○ c.	Capturing shape information
d.	Describing color distribution
Question 7	
Complete	
	of the following is a limitation of using boundary feature descriptors?
Which of	of the following is a limitation of using boundary feature descriptors?
Which of Select of a.	of the following is a limitation of using boundary feature descriptors? one: Insensitivity to object boundaries
Which of Select of a. b.	of the following is a limitation of using boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling
Which of Select of a. b. c.	of the following is a limitation of using boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling Sensitivity to image noise
Which of Select of a. b. c.	of the following is a limitation of using boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling
Which of Select of a. b. c. d.	of the following is a limitation of using boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling Sensitivity to image noise
Which of Select of a. b. c.	of the following is a limitation of using boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling Sensitivity to image noise
Which of Select of a. b. c. d.	of the following is a limitation of using boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling Sensitivity to image noise Difficulty in capturing texture information
Which of Select of a. b. c. d.	of the following is a limitation of using boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling Sensitivity to image noise Difficulty in capturing texture information
Which of Select of a. a. b. c. d.	of the following is a limitation of using boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling Sensitivity to image noise Difficulty in capturing texture information
Which of Select of a. a. b. c. d.	of the following is a limitation of using boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling Sensitivity to image noise Difficulty in capturing texture information
Which of Select of a. a. b. c. d.	of the following is a limitation of using boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling Sensitivity to image noise Difficulty in capturing texture information ut of 1.00 of the following is a characteristic of boundary feature descriptors?
Which of Select of d. Question 8 Complete Mark 1.00 of Select of a.	of the following is a limitation of using boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling Sensitivity to image noise Difficulty in capturing texture information ut of 1.00 of the following is a characteristic of boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling Sensitivity to image noise Difficulty in capturing texture information
Which of Select of d. Question 8 Complete Mark 1.00 of Select of a.	of the following is a limitation of using boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling Sensitivity to image noise Difficulty in capturing texture information ut of 1.00 of the following is a characteristic of boundary feature descriptors?
Which of Select of a. Question 8 Complete Mark 1.00 of Select of a. b.	of the following is a limitation of using boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling Sensitivity to image noise Difficulty in capturing texture information ut of 1.00 of the following is a characteristic of boundary feature descriptors? Insensitivity to object boundaries Invariance to rotation and scaling Sensitivity to image noise Difficulty in capturing texture information

ο 0	
Question 9	
Complete	
Mark 1.00 o	ut of 1.00
Which f	eature descriptor is sensitive to changes in image scale and rotation?
Select c	one:
a.	Principal component analysis (PCA)
b.	Scale-Invariant Feature Transform (SIFT)
○ c.	Gabor filters
O d.	Histogram features
Question 1 (0
Complete	
M 1 1 00 -	
What d	
What do	oes the term "scale invariance" mean in the context of feature extraction?
What do	oes the term "scale invariance" mean in the context of feature extraction? one: Robustness to changes in image orientation and size Dependence on color information Limited representation of object boundaries Insensitivity to image noise
What do	oes the term "scale invariance" mean in the context of feature extraction? one: Robustness to changes in image orientation and size Dependence on color information Limited representation of object boundaries Insensitivity to image noise
What do	oes the term "scale invariance" mean in the context of feature extraction? one: Robustness to changes in image orientation and size Dependence on color information Limited representation of object boundaries Insensitivity to image noise
What do Select control a. b. c. d. Question 1 Complete Mark 1.00 of	opes the term "scale invariance" mean in the context of feature extraction? one: Robustness to changes in image orientation and size Dependence on color information Limited representation of object boundaries Insensitivity to image noise 1 ut of 1.00 the primary purpose of scale-space representation in image feature extraction?
What do Select co a. b. c. d. Question 1: Complete Mark 1.00 co What is	opes the term "scale invariance" mean in the context of feature extraction? one: Robustness to changes in image orientation and size Dependence on color information Limited representation of object boundaries Insensitivity to image noise 1 the primary purpose of scale-space representation in image feature extraction? one:
What do Select co a. b. c. d. Question 1: Complete Mark 1.00 co What is Select co a.	opes the term "scale invariance" mean in the context of feature extraction? Inne: Robustness to changes in image orientation and size Dependence on color information Limited representation of object boundaries Insensitivity to image noise Insensitivity to image noise the primary purpose of scale-space representation in image feature extraction? Inne: Achieving scale invariance
What do Select control a. b. c. d. Question 1 Complete Mark 1.00 control What is Select control a. b.	one: Robustness to changes in image orientation and size Dependence on color information Limited representation of object boundaries Insensitivity to image noise 1 the primary purpose of scale-space representation in image feature extraction? one: Achieving scale invariance Enhancing color saturation
What do Select co a. b. C. d. What is Select co a. b. c. c.	opes the term "scale invariance" mean in the context of feature extraction? Inne: Robustness to changes in image orientation and size Dependence on color information Limited representation of object boundaries Insensitivity to image noise Insensitivity to image noise the primary purpose of scale-space representation in image feature extraction? Inne: Achieving scale invariance

Question 1	2
Complete	
Mark 1.00 c	ut of 1.00
In SIFT,	how are keypoints selected from the image?
Select o	ne:
○ a.	Based on image intensity
b.	Maximizing local contrast
O c.	Using color information
O d.	Random sampling
Question 1	3
Complete	
Mark 1.00 c	ut of 100
	pes Principal Component Analysis (PCA) aim to achieve in feature extraction?
What d	pes Principal Component Analysis (PCA) aim to achieve in feature extraction?
What d	pes Principal Component Analysis (PCA) aim to achieve in feature extraction? Ine: Describing color distribution
What d	pes Principal Component Analysis (PCA) aim to achieve in feature extraction? ne: Describing color distribution Highlighting object boundaries
What d Select c a. b. c. d.	pes Principal Component Analysis (PCA) aim to achieve in feature extraction? Ine: Describing color distribution Highlighting object boundaries Reducing dimensionality Enhancing image resolution
What d	pes Principal Component Analysis (PCA) aim to achieve in feature extraction? Ine: Describing color distribution Highlighting object boundaries Reducing dimensionality Enhancing image resolution
What d Select c a. b. c. d.	pes Principal Component Analysis (PCA) aim to achieve in feature extraction? Ine: Describing color distribution Highlighting object boundaries Reducing dimensionality Enhancing image resolution
What d Select c a. b. c. d.	pes Principal Component Analysis (PCA) aim to achieve in feature extraction? Ine: Describing color distribution Highlighting object boundaries Reducing dimensionality Enhancing image resolution
What d Select c a. b. c. d.	pes Principal Component Analysis (PCA) aim to achieve in feature extraction? Ine: Describing color distribution Highlighting object boundaries Reducing dimensionality Enhancing image resolution
What d Select c a. b. c. d. Question 1. Complete Mark 1.00 c Which c	pes Principal Component Analysis (PCA) aim to achieve in feature extraction? ne: Describing color distribution Highlighting object boundaries Reducing dimensionality Enhancing image resolution 4 ut of 1.00 of the following is a commonly used boundary feature descriptor? ne:
What d Select c a. b. c. d. Question 1. Complete Mark 1.00 c Which c Select c a.	pees Principal Component Analysis (PCA) aim to achieve in feature extraction? ne: Describing color distribution Highlighting object boundaries Reducing dimensionality Enhancing image resolution 4 ut of 1.00 of the following is a commonly used boundary feature descriptor? ne: Histogram of oriented gradients (HOG)
What d Select c a. b. c. d. Question 1. Complete Mark 1.00 c Which c Select c a. b.	pes Principal Component Analysis (PCA) aim to achieve in feature extraction? ne: Describing color distribution Highlighting object boundaries Reducing dimensionality Enhancing image resolution 4 ut of 1.00 of the following is a commonly used boundary feature descriptor? ne: Histogram of oriented gradients (HOG) Gabor filters
What d Select c a. b. c. d. Question 1. Complete Mark 1.00 c Which c Select c a. b. c.	pees Principal Component Analysis (PCA) aim to achieve in feature extraction? ne: Describing color distribution Highlighting object boundaries Reducing dimensionality Enhancing image resolution 4 ut of 1.00 of the following is a commonly used boundary feature descriptor? ne: Histogram of oriented gradients (HOG)

owing is an example of a region feature descriptor? dge detector Im of oriented gradients (HOG) In blur In of Gaussian (LoG)	
dge detector Im of oriented gradients (HOG) In blur	
dge detector Im of oriented gradients (HOG) In blur	
dge detector Im of oriented gradients (HOG) In blur	
dge detector Im of oriented gradients (HOG) In blur	
dge detector Im of oriented gradients (HOG) In blur	
n blur	
n blur	
n blur	
n of Gaussian (LoG)	
representation of object boundaries	
por filters play in image feature extraction?	
· · · · · · · · · · · · · · · · · · ·	
g shape information	
g shape information ting object boundaries	
r	on of using whole-image features for image analysis? y in capturing texture information ty to image noise ce to rotation and scaling representation of object boundaries

Question 18	
Complete	
Mark 1.00 o	ut of 1.00
How do	es the Histogram of Oriented Gradients (HOG) handle variations in object appearance?
Select o	ne:
a.	By focusing on localized pixel values
b.	By capturing texture information
O c.	By resizing the image
O d.	By adjusting color saturation
Question 1	
Complete	
Mark 1.00 o	e feature extraction, what role do principal components play? ne:
In image Select o a.	e feature extraction, what role do principal components play?
In image Select o a. b. c.	e feature extraction, what role do principal components play? ne: Capturing shape information Enhancing image brightness
In image Select o a. b. c. d.	e feature extraction, what role do principal components play? ne: Capturing shape information Enhancing image brightness Describing color distribution Reducing image resolution
In image Select o a. b. c. d.	e feature extraction, what role do principal components play? ne: Capturing shape information Enhancing image brightness Describing color distribution Reducing image resolution
In image Select o a. b. c. d.	e feature extraction, what role do principal components play? ne: Capturing shape information Enhancing image brightness Describing color distribution Reducing image resolution
In image Select of a. b. c. d. Question 2(Complete Mark 1.00 o	e feature extraction, what role do principal components play? ne: Capturing shape information Enhancing image brightness Describing color distribution Reducing image resolution
In image Select of a. b. c. d. Question 2(Complete Mark 1.00 o	e feature extraction, what role do principal components play? ne: Capturing shape information Enhancing image brightness Describing color distribution Reducing image resolution
In image Select of a. b. c. d. Question 2(Complete Mark 1.00 o	e feature extraction, what role do principal components play? ne: Capturing shape information Enhancing image brightness Describing color distribution Reducing image resolution ut of 1.00 es principal component analysis (PCA) contribute to feature extraction?
In image Select of a. b. c. d. Question 20 Complete Mark 1.00 of	e feature extraction, what role do principal components play? ne: Capturing shape information Enhancing image brightness Describing color distribution Reducing image resolution at of 1.00 es principal component analysis (PCA) contribute to feature extraction? ne: Highlighting object boundaries
In image Select of a. b. c. d. Question 2(Complete Mark 1.00 o	e feature extraction, what role do principal components play? ne: Capturing shape information Enhancing image brightness Describing color distribution Reducing image resolution at of 1.00 es principal component analysis (PCA) contribute to feature extraction? ne: Highlighting object boundaries Describing color distribution
In image Select of a. b. c. d. Question 20 Complete Mark 1.00 of a. b. c. c. c. c. c. d.	e feature extraction, what role do principal components play? ne: Capturing shape information Enhancing image brightness Describing color distribution Reducing image resolution at of 1.00 es principal component analysis (PCA) contribute to feature extraction? ne: Highlighting object boundaries

Question 21 Complete Mark 1.00 out of	
Mark 1.00 out of	
	f 1.00
What is a di	isadvantage of using whole-image features?
Select one:	
a. Dep	pendence on color information
ob. Diff	ficulty in capturing texture information
C. Inse	ensitivity to image noise
d. Lim	nited representation of object boundaries
Question 22	
Complete	
Mark 1.00 out of	1.00
What is the Select one:	primary purpose of image feature extraction in digital image processing?
Select one:	plying color correction
Select one: a. App b. Enh	plying color correction hancing image resolution
Select one: a. App b. Enh c. Red	plying color correction hancing image resolution ducing image size
Select one: a. App b. Enh c. Red	plying color correction hancing image resolution
Select one: a. App b. Enh c. Red d. Extr	plying color correction hancing image resolution ducing image size
Select one: a. App b. Enh c. Red	plying color correction hancing image resolution ducing image size

Question 2 4	ı
Complete	
Mark 1.00 o	ut of 1.00
In the co	ontext of image feature extraction, what does SIFT stand for?
Select o	ne:
a.	Scale-Invariant Feature Transform
b.	Simple Image Feature Transform
O c.	Spatial Information Filter Technique
O d.	Structured Image Feature Tracker
Question 2	5
Complete	
Select o	the primary purpose of applying Principal Component Analysis (PCA) in image processing?
What is Select o a. b. c.	the primary purpose of applying Principal Component Analysis (PCA) in image processing? ne: Reducing dimensionality Highlighting object boundaries Capturing texture information
What is Select o a. b. c.	the primary purpose of applying Principal Component Analysis (PCA) in image processing? ne: Reducing dimensionality Highlighting object boundaries
What is Select o a. b. c.	the primary purpose of applying Principal Component Analysis (PCA) in image processing? ne: Reducing dimensionality Highlighting object boundaries Capturing texture information Describing color distribution
What is Select o a. b. c. d.	the primary purpose of applying Principal Component Analysis (PCA) in image processing? ne: Reducing dimensionality Highlighting object boundaries Capturing texture information Describing color distribution
What is Select o a. b. c. d.	the primary purpose of applying Principal Component Analysis (PCA) in image processing? ne: Reducing dimensionality Highlighting object boundaries Capturing texture information Describing color distribution
What is Select o a. b. c. d.	the primary purpose of applying Principal Component Analysis (PCA) in image processing? ne: Reducing dimensionality Highlighting object boundaries Capturing texture information Describing color distribution
What is Select o a. b. c. d.	the primary purpose of applying Principal Component Analysis (PCA) in image processing? ne: Reducing dimensionality Highlighting object boundaries Capturing texture information Describing color distribution
What is Select o a. b. c. d.	the primary purpose of applying Principal Component Analysis (PCA) in image processing? ne: Reducing dimensionality Highlighting object boundaries Capturing texture information Describing color distribution at of 1.00 e processing, what does the term "scale space" refer to?
What is Select o a. b. c. d. Question 26 Complete Mark 1.00 o In image Select o a.	the primary purpose of applying Principal Component Analysis (PCA) in image processing? ne: Reducing dimensionality Highlighting object boundaries Capturing texture information Describing color distribution sut of 1.00 e processing, what does the term "scale space" refer to? ne: A series of images at different scales
What is Select of a. b. c. d. Question 20 Complete Mark 1.00 of a. Select of a. b.	the primary purpose of applying Principal Component Analysis (PCA) in image processing? ne: Reducing dimensionality Highlighting object boundaries Capturing texture information Describing color distribution aut of 1.00 e processing, what does the term "scale space" refer to? ne: A series of images at different scales Robustness to changes in image orientation
What is Select o a. b. c. d. Question 26 Complete Mark 1.00 o In image Select o a. b. c.	the primary purpose of applying Principal Component Analysis (PCA) in image processing? ne: Reducing dimensionality Highlighting object boundaries Capturing texture information Describing color distribution at of 1.00 e processing, what does the term "scale space" refer to? ne: A series of images at different scales

Question 27	7
Complete	
Mark 1.00 o	out of 1.00
What ro	ple does the Laplacian of Gaussian (LoG) play in edge detection?
Select o	one:
	Highlighting object boundaries
	Enhancing object colors
	Reducing image resolution
	Adjusting color saturation
Question 2 8	0
Complete	o
Mark 1.00 o	
	out of 1 (0)
What is	the purpose of boundary feature descriptors?
What is	the purpose of boundary feature descriptors?
What is Select o	the purpose of boundary feature descriptors? one: Describing the overall image structure Representing characteristics of object boundaries
What is Select o	the purpose of boundary feature descriptors? one: Describing the overall image structure
What is Select o a. b. c.	the purpose of boundary feature descriptors? one: Describing the overall image structure Representing characteristics of object boundaries
What is Select o a. b. c.	the purpose of boundary feature descriptors? one: Describing the overall image structure Representing characteristics of object boundaries Highlighting background information
What is Select o a. b. c. d.	the purpose of boundary feature descriptors? One: Describing the overall image structure Representing characteristics of object boundaries Highlighting background information Enhancing color saturation
What is Select o a. b. c. d.	the purpose of boundary feature descriptors? Describing the overall image structure Representing characteristics of object boundaries Highlighting background information Enhancing color saturation
What is Select o a. b. c. d.	the purpose of boundary feature descriptors? Describing the overall image structure Representing characteristics of object boundaries Highlighting background information Enhancing color saturation
What is Select o a. b. c. d. Question 2! Complete Mark 1.00 o	the purpose of boundary feature descriptors? Describing the overall image structure Representing characteristics of object boundaries Highlighting background information Enhancing color saturation
What is Select o a. b. c. d.	the purpose of boundary feature descriptors? Describing the overall image structure Representing characteristics of object boundaries Highlighting background information Enhancing color saturation
What is Select o a. b. c. d.	the purpose of boundary feature descriptors? Describing the overall image structure Representing characteristics of object boundaries Highlighting background information Enhancing color saturation 9 Describing the overall image structure Representing characteristics of object boundaries Highlighting background information Enhancing color saturation
What is Select of a. b. c. d. Question 29 Complete Mark 1.00 of a. Select of a.	the purpose of boundary feature descriptors? Describing the overall image structure Representing characteristics of object boundaries Highlighting background information Enhancing color saturation 9 Pout of 1.00 The processing, what does the background refer to? The processing is a processing in the purpose of boundaries in the
What is Select of a. b. c. d. Question 29 Complete Mark 1.00 of a. Select of a. b.	the purpose of boundary feature descriptors? Describing the overall image structure Representing characteristics of object boundaries Highlighting background information Enhancing color saturation 9 but of 1.00 e processing, what does the background refer to? one: Image noise Foreground objects
What is Select of a. b. c. d. Question 29 Complete Mark 1.00 of a. b. c.	the purpose of boundary feature descriptors? Describing the overall image structure Representing characteristics of object boundaries Highlighting background information Enhancing color saturation 9 Pout of 1.00 The processing, what does the background refer to? The processing is a processing in the purpose of boundaries in the

Question 3	0
Complete	
Mark 0.00 c	out of 1.00
What is	the primary purpose of region feature descriptors?
Select o	
	Representing characteristics of object boundaries
b.	Describing overall image structure
О с.	Highlighting background information
d.	Extracting relevant information for analysis
Question 3	1
Complete	
How do	bes region feature extraction contribute to object recognition?
Select c	pes region feature extraction contribute to object recognition? one:
How do	pes region feature extraction contribute to object recognition? one: Describing color distribution
How do	pes region feature extraction contribute to object recognition? nne: Describing color distribution Highlighting object boundaries
How do	pes region feature extraction contribute to object recognition? pine: Describing color distribution Highlighting object boundaries Reducing image resolution
How do	pes region feature extraction contribute to object recognition? nne: Describing color distribution Highlighting object boundaries
How do	pes region feature extraction contribute to object recognition? one: Describing color distribution Highlighting object boundaries Reducing image resolution Capturing texture information
How do	pes region feature extraction contribute to object recognition? pine: Describing color distribution Highlighting object boundaries Reducing image resolution Capturing texture information
How do	nes region feature extraction contribute to object recognition? One: Describing color distribution Highlighting object boundaries Reducing image resolution Capturing texture information
How do	nes region feature extraction contribute to object recognition? One: Describing color distribution Highlighting object boundaries Reducing image resolution Capturing texture information
How do	pes region feature extraction contribute to object recognition? percentage Describing color distribution Highlighting object boundaries Reducing image resolution Capturing texture information
How do	pes region feature extraction contribute to object recognition? percentage of the contribution of the con
How do Select of a. b. c. d. Question 3. Complete Mark 1.00 of Select of Select of the select of t	these region feature extraction contribute to object recognition? These region feature extraction contribute to object recognition? Describing color distribution Highlighting object boundaries Reducing image resolution Capturing texture information 2 The second of 1.00 The second of 1.00 The second of 1.00 image processing? The second of 1.00 image processing?
How do Select of a. b. c. d. Question 3. Complete Mark 1.00 of Which for Select of a.	pes region feature extraction contribute to object recognition? percentage of the process of th
How do Select o a. b. c. d. Question 3 Complete Mark 1.00 o Which f Select o a. b.	these region feature extraction contribute to object recognition? Income: Describing color distribution Highlighting object boundaries Reducing image resolution Capturing texture information 2 Interview of 1.00 Int
How do Select o a. b. c. d. Question 3: Complete Mark 1.00 o Which 1: Select o a. b. c.	pes region feature extraction contribute to object recognition? percentage of the process of th

Question 3 3	
Question 🥦	3
Complete	
Mark 1.00 o	ut of 1.00
What is	the purpose of boundary feature descriptors in image feature extraction?
Select o	ne:
a.	Capturing color distribution
b.	Representing characteristics of object boundaries
○ c.	Reducing image resolution
O d.	Describing overall image structure
Question 3 4	4
Complete	
Select o	es the Histogram of Oriented Gradients (HOG) contribute to image feature extraction?
How do	es the Histogram of Oriented Gradients (HOG) contribute to image feature extraction?
How do	es the Histogram of Oriented Gradients (HOG) contribute to image feature extraction? ne: Describing color distribution Capturing shape information
How do	es the Histogram of Oriented Gradients (HOG) contribute to image feature extraction? ne: Describing color distribution Capturing shape information Reducing image size Highlighting object boundaries
How do	es the Histogram of Oriented Gradients (HOG) contribute to image feature extraction? ne: Describing color distribution Capturing shape information Reducing image size Highlighting object boundaries
How do Select o a. b. c. d.	es the Histogram of Oriented Gradients (HOG) contribute to image feature extraction? ne: Describing color distribution Capturing shape information Reducing image size Highlighting object boundaries
How do Select o a. b. c. d. Question 3!	es the Histogram of Oriented Gradients (HOG) contribute to image feature extraction? ne: Describing color distribution Capturing shape information Reducing image size Highlighting object boundaries
How do Select o a. b. c. d. Question 3! Complete Mark 1.00 o	es the Histogram of Oriented Gradients (HOG) contribute to image feature extraction? ne: Describing color distribution Capturing shape information Reducing image size Highlighting object boundaries
How do Select o a. b. c. d. Question 3! Complete Mark 1.00 o	es the Histogram of Oriented Gradients (HOG) contribute to image feature extraction? ne: Describing color distribution Capturing shape information Reducing image size Highlighting object boundaries sut of 1.00 eature descriptor is commonly used for capturing texture information?
How do Select of a. b. c. d. Question 3! Complete Mark 1.00 of Which for Select of	es the Histogram of Oriented Gradients (HOG) contribute to image feature extraction? ne: Describing color distribution Capturing shape information Reducing image size Highlighting object boundaries sut of 1.00 eature descriptor is commonly used for capturing texture information?
How do Select o a. b. c. d. Question 3! Complete Mark 1.00 o Which f Select o a.	es the Histogram of Oriented Gradients (HOG) contribute to image feature extraction? ne: Describing color distribution Capturing shape information Reducing image size Highlighting object boundaries tut of 1.00 eature descriptor is commonly used for capturing texture information? ne:
How do Select of a. b. c. d. Question 3! Complete Mark 1.00 of Which f Select of a. b.	es the Histogram of Oriented Gradients (HOG) contribute to image feature extraction? ne: Describing color distribution Capturing shape information Reducing image size Highlighting object boundaries 5 ut of 1.00 eature descriptor is commonly used for capturing texture information? ne: Gabor filters

Question 3	6
Complete	
Mark 1.00 d	out of 1.00
In imag	ge feature extraction, what does the term "whole-image features" refer to?
Select o	one:
О а.	Representation of object boundaries
O b.	Specific regions of interest
O c.	Localized pixel values
d.	Statistical properties of the entire image
Question 3	7
Complete	
	of the following is a common technique for boundary preprocessing in image feature extraction? one:
Which of Select of a.	of the following is a common technique for boundary preprocessing in image feature extraction? Done: Pixel averaging
Which of Select of a. b.	of the following is a common technique for boundary preprocessing in image feature extraction? one: Pixel averaging Contrast adjustment
Which of Select of a. b. c.	of the following is a common technique for boundary preprocessing in image feature extraction? One: Pixel averaging Contrast adjustment Edge detection
Which of Select of a. b. c.	of the following is a common technique for boundary preprocessing in image feature extraction? one: Pixel averaging Contrast adjustment
Which of Select of a. b. c.	of the following is a common technique for boundary preprocessing in image feature extraction? One: Pixel averaging Contrast adjustment Edge detection Histogram equalization
Which of Select of a. b. c. d.	of the following is a common technique for boundary preprocessing in image feature extraction? One: Pixel averaging Contrast adjustment Edge detection Histogram equalization
Which of Select of a. a. b. c. d.	of the following is a common technique for boundary preprocessing in image feature extraction? One: Pixel averaging Contrast adjustment Edge detection Histogram equalization
Which of Select of a. b. c. d.	of the following is a common technique for boundary preprocessing in image feature extraction? One: Pixel averaging Contrast adjustment Edge detection Histogram equalization
Which of Select of a. a. b. c. d.	of the following is a common technique for boundary preprocessing in image feature extraction? One: Pixel averaging Contrast adjustment Edge detection Histogram equalization
Which of Select of a. a. b. c. d. Complete Mark 1.00 of Which	of the following is a common technique for boundary preprocessing in image feature extraction? one: Pixel averaging Contrast adjustment Edge detection Histogram equalization 8 but of 1.00 feature extraction method is robust to changes in image orientation?
Which of a. a. b. c. d. Complete Mark 1.00 of Select of Select of the se	of the following is a common technique for boundary preprocessing in image feature extraction? one: Pixel averaging Contrast adjustment Edge detection Histogram equalization 8 out of 1.00 feature extraction method is robust to changes in image orientation? one:
Which of a. Select of a. b. c. d. Question 3 Complete Mark 1.00 of the select of a.	of the following is a common technique for boundary preprocessing in image feature extraction? one: Pixel averaging Contrast adjustment Edge detection Histogram equalization 8 out of 1.00 feature extraction method is robust to changes in image orientation? one: Region feature descriptors
Which of a. Select of a. b. c. d. Question 3 Complete Mark 1.00 of the select of a. Select of a. b.	of the following is a common technique for boundary preprocessing in image feature extraction? one: Pixel averaging Contrast adjustment Edge detection Histogram equalization 8 out of 1.00 feature extraction method is robust to changes in image orientation? one: Region feature descriptors Whole-image features
Which of a. Select of a. b. c. d. Question 3 Complete Mark 1.00 of a. Select of a. b. c.	of the following is a common technique for boundary preprocessing in image feature extraction? one: Pixel averaging Contrast adjustment Edge detection Histogram equalization 8 out of 1.00 feature extraction method is robust to changes in image orientation? one: Region feature descriptors

Question 3	9
Complete	
Mark 1.00 c	out of 1.00
Which o	of the following is a characteristic of scale-invariant features?
vvilleri	of the following is a characteristic of scale invariant features.
Select o	one:
○ a.	Limited representation of object boundaries
b.	Dependence on image orientation
○ c.	Emphasis on color information
d.	Insensitivity to changes in image scale
Question 4	n
Complete	
Mark 1.00 c	
	ontext of feature extraction, what is the purpose of Gabor filters?
	ontext of feature extraction, what is the purpose of Gabor filters?
In the c	ontext of feature extraction, what is the purpose of Gabor filters?
In the co	ontext of feature extraction, what is the purpose of Gabor filters? one:
In the co	ontext of feature extraction, what is the purpose of Gabor filters? one: Highlighting object boundaries
In the co	ontext of feature extraction, what is the purpose of Gabor filters? one: Highlighting object boundaries Describing color distribution
In the co	ontext of feature extraction, what is the purpose of Gabor filters? one: Highlighting object boundaries Describing color distribution Reducing image resolution
In the constant of the constan	ontext of feature extraction, what is the purpose of Gabor filters? one: Highlighting object boundaries Describing color distribution Reducing image resolution Capturing texture information
In the co	ontext of feature extraction, what is the purpose of Gabor filters? one: Highlighting object boundaries Describing color distribution Reducing image resolution Capturing texture information
In the comparison of the compa	ontext of feature extraction, what is the purpose of Gabor filters? one: Highlighting object boundaries Describing color distribution Reducing image resolution Capturing texture information
In the complete Select complet	ontext of feature extraction, what is the purpose of Gabor filters? one: Highlighting object boundaries Describing color distribution Reducing image resolution Capturing texture information
In the complete In the complete Select complete A. B. Complete Mark 1.00 complete	ontext of feature extraction, what is the purpose of Gabor filters? one: Highlighting object boundaries Describing color distribution Reducing image resolution Capturing texture information
In the complete In the complete Select complete A. B. Complete Mark 1.00 complete	ontext of feature extraction, what is the purpose of Gabor filters? one: Highlighting object boundaries Describing color distribution Reducing image resolution Capturing texture information
In the complete In the complete Select complete A. B. Complete Mark 1.00 complete	ontext of feature extraction, what is the purpose of Gabor filters? one: Highlighting object boundaries Describing color distribution Reducing image resolution Capturing texture information 1 out of 1.00 of the following is a characteristic of whole-image features?
In the constant of the constan	ontext of feature extraction, what is the purpose of Gabor filters? one: Highlighting object boundaries Describing color distribution Reducing image resolution Capturing texture information 1 out of 1.00 of the following is a characteristic of whole-image features?
In the complete Mark 1.00 complete Select complete a.	ontext of feature extraction, what is the purpose of Gabor filters? one: Highlighting object boundaries Describing color distribution Reducing image resolution Capturing texture information 1 ont of 1.00 of the following is a characteristic of whole-image features? one:
In the complete Select complete Mark 1.00 complete Select complete Complete Mark 1.00 complete Select complete Description and an analysis of the complete Select complete Description and analysis of the complete Select complete Select complete Description and analysis of the complete Description and analysis of the complete Select complete Description and analysis of the complete Description and analysis of the complete Select complete Description and analysis of the complete analysis of the complet	ontext of feature extraction, what is the purpose of Gabor filters? one: Highlighting object boundaries Describing color distribution Reducing image resolution Capturing texture information 1 out of 1.00 of the following is a characteristic of whole-image features? one: Focus on localized pixel values

Question 42	2
Complete	
Mark 1.00 o	ut of 1.00
Which f	eature extraction method is suitable for recognizing objects in different scales and orientations?
vviiieii i	educite extraction method is suitable for recognizing objects in americin scales and orientations.
Select o	
	Boundary feature descriptors
	Region feature descriptors
	Whole-image features
d.	Scale-Invariant Feature Transform (SIFT)
Question 4 3	3
Complete	
Mark 1.00 o	ut of 1.00
	es boundary preprocessing contribute to image feature extraction?
How do	es boundary preprocessing contribute to image feature extraction? ne: By applying color correction
How do	es boundary preprocessing contribute to image feature extraction? ne:
How do	es boundary preprocessing contribute to image feature extraction? ne: By applying color correction By emphasizing object colors By highlighting object boundaries
How do	es boundary preprocessing contribute to image feature extraction? ne: By applying color correction By emphasizing object colors By highlighting object boundaries
How do	es boundary preprocessing contribute to image feature extraction? ne: By applying color correction By emphasizing object colors By highlighting object boundaries By reducing image resolution
How do Select o a. b. c. d.	es boundary preprocessing contribute to image feature extraction? ne: By applying color correction By emphasizing object colors By highlighting object boundaries By reducing image resolution
How do Select o a. b. c. d. Question 44 Complete	es boundary preprocessing contribute to image feature extraction? ne: By applying color correction By emphasizing object colors By highlighting object boundaries By reducing image resolution
How do Select o a. b. c. d.	es boundary preprocessing contribute to image feature extraction? ne: By applying color correction By emphasizing object colors By highlighting object boundaries By reducing image resolution
How do Select o a. b. c. d. Question 44 Complete Mark 1.00 o	es boundary preprocessing contribute to image feature extraction? ne: By applying color correction By emphasizing object colors By highlighting object boundaries By reducing image resolution
How do Select o a. b. c. d. Question 44 Complete Mark 1.00 o	es boundary preprocessing contribute to image feature extraction? ne: By applying color correction By emphasizing object colors By highlighting object boundaries By reducing image resolution
How do Select o a. b. c. d. Question 44 Complete Mark 1.00 o	es boundary preprocessing contribute to image feature extraction? ne: By applying color correction By emphasizing object colors By highlighting object boundaries By reducing image resolution 4 ut of 1.00 the primary advantage of using region feature descriptors over whole-image features?
How do Select o a. b. c. d. Question 44 Complete Mark 1.00 o	es boundary preprocessing contribute to image feature extraction? ne: By applying color correction By emphasizing object colors By highlighting object boundaries By reducing image resolution 4 ut of 1.00 the primary advantage of using region feature descriptors over whole-image features?
How do Select o a. b. c. d. Question 44 Complete Mark 1.00 o What is Select o a.	es boundary preprocessing contribute to image feature extraction? ne: By applying color correction By emphasizing object colors By highlighting object boundaries By reducing image resolution 4 ut of 1.00 the primary advantage of using region feature descriptors over whole-image features? ne:
How do Select o a. b. c. d. Question 44 Complete Mark 1.00 o What is Select o a. b.	es boundary preprocessing contribute to image feature extraction? ne: By applying color correction By emphasizing object colors By highlighting object boundaries By reducing image resolution 4 ut of 1.00 the primary advantage of using region feature descriptors over whole-image features? ne: Difficulty in capturing texture information

Question 4	5
Complete	
Mark 1.00 c	ut of 1.00
How do	es the Laplacian of Gaussian (LoG) contribute to image feature extraction?
Select o	one:
a.	Reducing image resolution
b.	Capturing shape information
O c.	Describing color distribution
d.	Highlighting object boundaries
Question 4	6
Complete	
In the c	ontext of boundary preprocessing, what is the purpose of edge detection?
In the co	ontext of boundary preprocessing, what is the purpose of edge detection?
In the co	ontext of boundary preprocessing, what is the purpose of edge detection? one: Highlighting object boundaries
In the comparison of the compa	ontext of boundary preprocessing, what is the purpose of edge detection? one: Highlighting object boundaries Adjusting color saturation
In the comparison of the compa	ontext of boundary preprocessing, what is the purpose of edge detection? one: Highlighting object boundaries Adjusting color saturation Enhancing object colors Reducing image size
In the company of the	ontext of boundary preprocessing, what is the purpose of edge detection? one: Highlighting object boundaries Adjusting color saturation Enhancing object colors Reducing image size
In the comparison of the compa	ontext of boundary preprocessing, what is the purpose of edge detection? one: Highlighting object boundaries Adjusting color saturation Enhancing object colors Reducing image size
In the complete Select complete	ontext of boundary preprocessing, what is the purpose of edge detection? one: Highlighting object boundaries Adjusting color saturation Enhancing object colors Reducing image size
In the complete In the complete Select complete A. D. Complete Mark 1.00 complete	ontext of boundary preprocessing, what is the purpose of edge detection? one: Highlighting object boundaries Adjusting color saturation Enhancing object colors Reducing image size
In the complete Mark 1.00 complete Select complete Complete Mark 1.00 complete Select complete	ontext of boundary preprocessing, what is the purpose of edge detection? Income: Highlighting object boundaries Adjusting color saturation Enhancing object colors Reducing image size Out of 1.00 The primary function of image feature extraction in digital image processing?
In the complete Select complete Mark 1.00 complete What is Select complete a.	ontext of boundary preprocessing, what is the purpose of edge detection? Ine: Highlighting object boundaries Adjusting color saturation Enhancing object colors Reducing image size Tut of 1.00 the primary function of image feature extraction in digital image processing? Ine: Extracting relevant information for analysis
In the complete Select complete What is Select complete a. b.	ontext of boundary preprocessing, what is the purpose of edge detection? Inc: Highlighting object boundaries Adjusting color saturation Enhancing object colors Reducing image size It of 1.00 The primary function of image feature extraction in digital image processing? Inc: Extracting relevant information for analysis Reducing image resolution
In the complete Select complete Mark 1.00 complete Select complete Mark 1.00 complete Compl	ontext of boundary preprocessing, what is the purpose of edge detection? Ine: Highlighting object boundaries Adjusting color saturation Enhancing object colors Reducing image size Tut of 1.00 the primary function of image feature extraction in digital image processing? Ine: Extracting relevant information for analysis

Complete	3
Lompiete	
Иark 1.00 o	ut of 1.00
How do	es region feature extraction differ from boundary feature extraction?
11011 40	es region reature extraction ainer from Boardary reature extraction.
Select o	
	Capturing texture information
	Focus on overall image structure
	Describing color distribution
O d.	Emphasis on object boundaries
Question 4	9
Complete	
Mark 1.00 o	ut of 1.00
I I a d a	and the Cooled Lorentine of Economy Transfer on (CIET) has all a deconomic in income of instantine 2
How ac	es the Scale-Invariant Feature Transform (SIFT) handle changes in image orientation?
	ne·
Select o	
a.	By adjusting color saturation
a.	By adjusting color saturation By resizing the image
a.b.c.	By adjusting color saturation By resizing the image By using scale-space representation
a.b.c.	By adjusting color saturation By resizing the image
a.b.c.	By adjusting color saturation By resizing the image By using scale-space representation By applying color correction
a.b.c.d.	By adjusting color saturation By resizing the image By using scale-space representation By applying color correction
a. b. c. d.	By adjusting color saturation By resizing the image By using scale-space representation By applying color correction
a. b. c. d.	By adjusting color saturation By resizing the image By using scale-space representation By applying color correction
a. b. c. d.	By adjusting color saturation By resizing the image By using scale-space representation By applying color correction
a. b. c. d.	By adjusting color saturation By resizing the image By using scale-space representation By applying color correction
a. b. c. d.	By adjusting color saturation By resizing the image By using scale-space representation By applying color correction
a. b. c. d.	By adjusting color saturation By resizing the image By using scale-space representation By applying color correction
a. b. c. d.	By adjusting color saturation By resizing the image By using scale-space representation By applying color correction
a. b. c. d. Question 50 Complete Mark 1.00 o Which co Select co a. b. c.	By adjusting color saturation By resizing the image By using scale-space representation By applying color correction
a. b. c. d. Question 50 Complete Mark 1.00 of Select of a. b. c. d.	By adjusting color saturation By resizing the image By using scale-space representation By applying color correction
a. b. c. d. Question 50 Complete Mark 1.00 of Select of a. b. c. d.	By adjusting color saturation By resizing the image By using scale-space representation By applying color correction

1