4. Smooth transitions of brightness levels

Answer: Sharp transitions of grey levels

- 2. Which of the following is the correct application of image blurring?
 - 1. Object motion
 - 2. Gross representation
 - 3. Object detection
 - 4. Image segmentation

Answer: Gross representation

- 3. Which of the following the general representation of power transformation?
 - $1. s = cr^y$
 - 2. s = rc
 - $3. c = sr^y$
 - $4. s = rc^y$

Answer: s = cry

- 4. What is the name of the process that highlights an image's intensity?
 - 1. Log Transformations
 - 2. Piecewise Linear Transformations
 - 3. Image Negatives
 - 4. None of the above

Answer: Image Negatives

- 5. Which of the following is the correct representation of log transformation?
 - 1. s=clog₁₀(1/r)
 - 2. $s = clog_{10}(1+r)$
 - 3. s=clog₁₀(1*r)
 - 4. s=clog₁₀(1-r)

Answer: s=clog₁₀(1+r)

6. At what points, a continuous image is digitized?

Digital Image Processing Questions With Answer

Dr. Manish Kashyap

Digital Image Processing Questions With Answer:

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Digital Image Processing MCQs: Multiple Choice Questions and Answers (Quiz & Tests probability and random variables with Answer Keys) Arshad Igbal, 2016 **Digital Image Processing** Bernd Jähne, 2005-09-28 The sixth edition of this worldwide used textbook was thoroughly vised and extended Throughout the whole text you will nd numerous improvements extensions and updates Above all I would like to draw your attention to two major changes Firstly the whole textbook is now clearly partitioned into basic and advanced material in order to cope with the ever increasing eld of di talimage processing Themostimportanteguations are put into framed boxes. The advanced sections are located in the second part of each chapter. and are marked by italic headlines and by a smaller typeface In this way you can rst work your way through the basic principles of digital image processing without getting overwhelmed by the wealth of the material You can extend your studies later to selected topics of interest The second most notable extension are exercises that are now cluded at the end of each chapter These exercise help you to test your understanding train your skills and introduce you to real world image processing tasks The exercises are marked with one to three stars to indicate their di culty An important part of the exercises is a wealth of interactive computer exercises which cover all topics of this te book These exercises are performed with the image processing so ware heurisko http www heurisko de which is included on the accompanying CD ROM In this way you can get own practical expe ence with almost all topics and algorithms covered by this book **Digital Image Processing Using Python** Dr. Manish Kashyap, 2025-01-28 DESCRIPTION Digital Image Processing Using Python offers a comprehensive guide to mastering image processing techniques through practical Python implementations It equips you with the essential tools and knowledge to manipulate analyze and transform digital images using the powerful programming language Python This book offers a comprehensive exploration of digital image processing combining theoretical foundations with practical applications Starting with fundamental concepts like image representation and pixel neighborhoods the book teaches Python programming and essential libraries for image manipulation It covers a wide range of techniques including spatial and frequency domain filtering non linear processing noise reduction wavelet transforms and binary morphology Advanced topics such as phase based processing multi resolution analysis and morphological operations are also explored in depth The book provides practical examples and exercises to reinforce learning and equip readers with the skills needed to effectively process and analyze digital images for various applications By integrating Python code with visual examples you will gain practical experience and insights that are directly applicable to your work This approach ensures that you not only learn theoretical concepts but also understand how to implement them effectively in real world situations KEY FEATURES Builds a strong foundation in digital image processing covering essential topics from basics to advanced techniques Includes practical exercises to master Python programming and essential libraries like OpenCV and NumPy for image manipulation tasks Applies concepts to real world scenarios like image restoration object detection and medical imaging WHAT YOU WILL LEARN Implement image processing techniques using Python libraries and tools Understand core concepts like filtering

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