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Flux Density; 2.3.2.4 Radiant Intensity  
2.3.2.5 Radiance; 2.3.2.6 Radiant Exposure; 2.3.3 Photometric Terms;  
2.3.3.1 Spectral Terms; 2.3.3.2 Spectral Sensitivity of the Eye; 2.3.3.3  
Luminous Terms; 2.3.4 Photometric Units; 2.3.4.1 Other Visual Terms  
and Units; 2.4 Color; 2.4.1 Introduction; 2.4.2 The Spectrum of Light;  
2.4.3 Tristimulus Theory; 2.4.3.1 The Tristimulus; 2.4.3.2 The 1931 CIE  
Standard; 2.4.3.3 CIE 1976 UCS Diagram; 2.4.4 Theory of the Opponent  
Colors; 2.4.4.1 Describing the Visual Observations; 2.4.4.2 Saturation  
or Chroma; 2.4.4.3 Hue; 2.4.4.4 The CIELAB Diagram; 2.5 Basic Laser  
Physics; 2.5.1 Introduction  
2.5.2 Normal or Spontaneous Emission of Light; 2.5.3 Absorption; 2.5.4  
Stimulated Emission of Light; 2.5.5 Amplification; 2.5.6 Basic Setup; 2.6  
Basic Properties of Laser Light; 2.6.1 Laser Light Has One Direction;  
2.6.2 Laser Light Is Monochromatic; 2.6.3 Laser Light Is Coherent; 2.6.4  
Laser Light Is Intense; 2.7 Conclusions; References; 3 Basics of  
Information Theory; 3.1 Introduction; 3.2 Probability; 3.2.1 Several  
Events; 3.2.2 Conditional Probabilities: Independent and Dependent  
Events; 3.2.3 Random Variable; 3.2.4 Distribution Function; 3.2.5  
Discrete Distribution  
3.2.6 Continuous Distribution; 3.2.7 Expected Value; 3.3 Entropy and  
Mutual Information; 3.3.1 Historical Notes; 3.3.2 Entropy; 3.3.2.1 Some  
Properties of Entropy; 3.3.3 Joint Entropy; 3.3.4 Mutual Information;  
3.3.5 Kullback-Leibler Divergence; 3.3.6 Other Types of Entropies; 3.4  
Information Channel; 3.4.1 Discrete Channel; 3.4.2 Channel Capacity;  
3.4.3 Symmetric Channel; 3.4.4 Binary Symmetric Channel; 3.4.5  
Gaussian Channel; 3.5 Conclusion; Appendix 3.A: Application of Mutual  
Information; References; 4 Fundamentals of Image Processing; 4.1  
Introduction; 4.2 Digital Image Representation  
4.2.1 Topological and Metric Properties of Images

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## Sommario/riassunto

In recent years, Moore's law has fostered the steady growth of the field of digital image processing, though the computational complexity remains a problem for most of the digital image processing applications. In parallel, the research domain of optical image processing has matured, potentially bypassing the problems digital approaches were suffering and bringing new applications. The advancement of technology calls for applications and knowledge at the intersection of both areas but there is a clear knowledge gap between the digital signal processing and the optical processing communities. T

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