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Computed Tomography: Physical Principles, Clinical ...

This course is based on the book Computed Tomography Physical Principles, Clinical Applications, and Quality Control, 4th edition, by Euclid Seeram, PhD, MSc, BSc, FCAMRT (ISBN: 978-0-323-31288-2). The book/PDF is 454 pages long and 7.5 x 10.5 inches in size. Please note: this book has a smaller font size.

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Terms from: Seeram, E. (2009). Computed tomography: physical principles, clinical applications, and quality control. 3rd edition. Elsevier. St Louis, MO.

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These CT numbers are computed using the following relationship: $C T N u m b e r = \mu t i s s u e - \mu w a t e r \cdot K$ where K is a manufacturer's scaling factor or contrast factor, and in general, $K = 1000$. The relationship between tissue voxel μ and image pixel (CT number) is shown in Figure 5.

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Elsevier Health Sciences, Sep 2, 2015 - Medical - 576 pages. 2 Reviews. Build the foundation necessary for the practice of CT scanning with Computed Tomography: Physical Principles, Clinical...

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