

Introduction to Biomedical Engineering, Homework on X-ray techniques

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Write down or type your answers on A4 sheets, double-spaced, with 12-pt font size. Graphs and references are welcome.

1. What is k-edge filtering? Why is it useful for screening mammography? Give your answer in less than one double-spaced A4 page.
2. Explain the principles of spiral (or helical) CT in less than half a page. What is the “pitch” defined in spiral CT (Do not just give one single formula! Explain it to convince me that you understand the concept)?