

x-ray computed tomography - physik-department, tum - x-ray computed tomography jonathan schock, manuel viermetz march 21, 2017 x-ray computed tomography (ct) is an indirect non-destructive imaging method. **x-ray computed tomography - citeseerx** - r30 review the first experiments on medical applications of this type of reconstructive tomography were carried out by the physicist a m cormack, who worked on ... **x-ray computed tomography - nsc** - preface this book is an attempt at a comprehensive treatment of those medical imaging techniques commonly referred to as computed tomography (ct) and sometimes **dose in x-ray computed tomography - iopscience** - phys. med. biol. 59 (2014) r129 topical review figure 1. although ct examinations make up only a relatively small part of the total number of x-ray examinations, ct ... **introduction to computed tomography - dtu orbit** - chapter 1 introduction this chapter provides a short introduction to computed tomography (ct), covering the main milestones from the discovery of x-ray till modern ... **x-ray computed tomography (ct)** - 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x-ray computed tomography for medical imaging harish p. hiriyannaiah t hemathematical principles of computed tomography (ct) were first investigated by j. radon [28 ... **x-ray computed tomography - pusan** - x-ray computed tomography ho kyung kim pusan national university introduction to medical engineering (medical imaging) suetens3 introduction 2 **ptychographic x-ray computed tomography at the nanoscale** - letter doi:10.1038/nature09419 ptychographic x-ray computed tomography at the nanoscale martin dierolf1, andreas menzel2, pierre thibault1, philipp schneider3 ... **improving the production using x-ray computed tomography ...** - wzl/fraunhofer ipt improving the production using x-ray computed tomography - potentials and challenges national conference on ct scanning - application of ct **iop/journals/physed x-ray computed tomography** - x-ray computed tomography figure 1. a chest x-ray. bremsstrahlung x-rays are emitted when an electron slows down by coulombic interaction with ... **x-ray computed tomography for additive manufacturing: a review** - 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the 1st international conference on virtual learning, icvl 2006 187 image analysis in x-ray computed tomography emilia dana seleÅchi 1, victor ... **x-ray computed tomography for non-destructive testing** - 13 x-ray computed tomography for non-destructive testing martine wevers . department of metallurgy and materials engineering, ku leuven kasteelpark arenberg 44, 3001 ... **x-ray computed tomography for medical imaging** - x-ray computed tomography for medical imaging jiang hsieh, ph.d. ge healthcare, waukesha, wisconsin university of wisconsin, madison, wisconsin and several hundred ... **x-ray computed tomography inspection of the stardust heat ...** - x-ray computed tomography inspection of the stardust heat shield (ippw-7) karen m. mcnamara (1), daniel j. schneberk(2), daniel m. empey(3)*, ajay koshti , d ... **using x-ray computed tomography to study paving materials** - using x-ray

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1 convolutional neural network based metal artifact reduction in x-ray computed tomography yanbo zhang, senior member, ieee, and hengyong yu*, senior member, ieee

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