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Accounting for primary electron scatter in x-ray beam convolution calculations

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#	Paper	IF	Citations
29	A technique for the fast calculation of three-dimensional photon dose distributions using the superposition model. <i>Physics in Medicine and Biology</i> , 1997 , 42, 1475-89	3.8	8
28	Super-Monte Carlo: A photon/electron dose calculation algorithm for radiotherapy. <i>Radiation Physics and Chemistry</i> , 1998 , 53, 275-281	2.5	4
27	Dose calculations for external photon beams in radiotherapy. <i>Physics in Medicine and Biology</i> , 1999 , 44, R99-155	3.8	319
26	Monte Carlo-based inverse treatment planning. <i>Physics in Medicine and Biology</i> , 1999 , 44, 1885-96	3.8	52
25	Comparison of EGS4 and MCNP4b Monte Carlo codes for generation of photon phase space distributions for a Varian 2100C. <i>Physics in Medicine and Biology</i> , 1999 , 44, 3009-26	3.8	84
24	Verification of lung dose in an anthropomorphic phantom calculated by the collapsed cone convolution method. <i>Physics in Medicine and Biology</i> , 2000 , 45, N143-9	3.8	31
23	The impact of electron transport on the accuracy of computed dose. <i>Medical Physics</i> , 2000 , 27, 1266-74	4.4	109
22	Photon dose calculation of a three-dimensional treatment planning system compared to the Monte Carlo code BEAM. <i>Medical Physics</i> , 2000 , 27, 1579-87	4.4	50
21	Patient-dependent beam-modifier physics in Monte Carlo photon dose calculations. <i>Medical Physics</i> , 2000 , 27, 935-47	4.4	24
20	Implementation of FFT convolution and multigrid superposition models in the FOCUS RTP system. <i>Physics in Medicine and Biology</i> , 2000 , 45, 817-33	3.8	82
19	Comparison of RTP dose distributions in heterogeneous phantoms with the BEAM Monte Carlo simulation system. <i>Journal of Applied Clinical Medical Physics</i> , 2001 , 2, 21-31	2.3	30
18	Acceleration of dose calculations for intensity-modulated radiotherapy. <i>Medical Physics</i> , 2001 , 28, 903-10	4.4	25
17	Portal dose image verification: formalism and application of the collapsed cone superposition method. <i>Physics in Medicine and Biology</i> , 2002 , 47, 4371-87	3.8	10
16	The effect of dose calculation accuracy on inverse treatment planning. <i>Physics in Medicine and Biology</i> , 2002 , 47, 391-407	3.8	80
15	Experimental validation tests of fast Fourier transform convolution and multigrid superposition algorithms for dose calculation in low-density media. <i>Radiotherapy and Oncology</i> , 2003 , 67, 239-49	5.3	23
14	Dose verification of an IMRT treatment planning system with the BEAM EGS4-based Monte Carlo code. <i>Medical Physics</i> , 2003 , 30, 144-57	4.4	41
13	Enhanced spectral discrimination through the exploitation of interface effects in photon dose data. <i>Medical Physics</i> , 2004 , 31, 264-76	4.4	12

12	Dosimetric verification of a commercial collapsed cone algorithm in simulated clinical situations. <i>Radiotherapy and Oncology</i> , 2004 , 73, 79-88	5.3	45
11	Letter to the editor concerning Senan et al., [Radiother Oncol 2004;71:139-146]. <i>Radiotherapy and Oncology</i> , 2005 , 74, 346-7	5.3	1
10	Comparison of dose calculation algorithms for treatment planning in external photon beam therapy for clinical situations. <i>Physics in Medicine and Biology</i> , 2006 , 51, 5785-807	3.8	242
9	Improving IMRT dose accuracy via deliverable Monte Carlo optimization for the treatment of head and neck cancer patients. <i>Medical Physics</i> , 2006 , 33, 4033-43	4.4	33
8	Monte Carlo dosimetric evaluation of high energy vs low energy photon beams in low density tissues. <i>Radiotherapy and Oncology</i> , 2006 , 79, 131-8	5.3	7
7	Comparison of dose calculation algorithms in slab phantoms with cortical bone equivalent heterogeneities. <i>Medical Physics</i> , 2007 , 34, 3323-33	4.4	42
6	An analysis of 6-MV versus 18-MV photon energy plans for intensity-modulated radiation therapy (IMRT) of lung cancer. <i>Radiotherapy and Oncology</i> , 2007 , 82, 55-62	5.3	38
5	Monte Carlo treatment planning for photon and electron beams. <i>Radiation Physics and Chemistry</i> , 2007 , 76, 643-686	2.5	107
4	A Monte-Carlo derived dual-source model for helical tomotherapy treatment planning. <i>Technology in Cancer Research and Treatment</i> , 2008 , 7, 141-7	2.7	
3	Monte Carlo dose verification for lung SBRT with CMS/XiO superposition algorithm. <i>Biomedical Physics and Engineering Express</i> , 2016 , 2, 015020	1.5	1
2	The impact of Monte Carlo dose calculations on treatment outcomes. 2000 , 425-427		2
1	Use of Collapsed Cone Convolution for an Initial Investigation of Portal Dose Image Prediction. 2000 , 224-226		