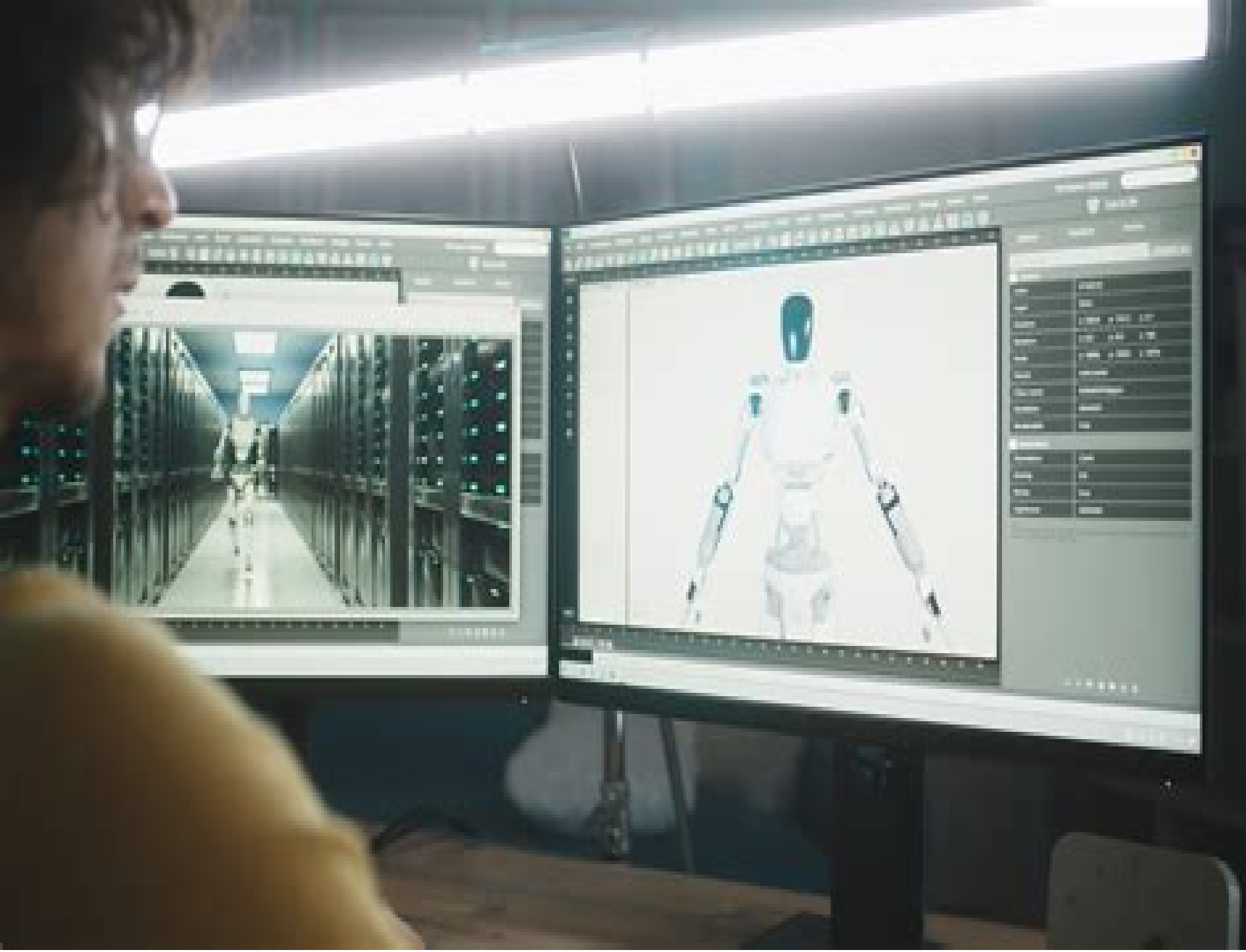




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Kathleen Armour



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and entertainment sample animations and example code Describes the key mathematical and algorithmic foundations of animation that provide you with a deep understanding and control of technique Expanded and new coverage of key topics including fluids and clouds cloth and clothes hair and crowd animation Explains the algorithms used for path following hierarchical kinematic modelling rigid body dynamics flocking behaviour particle systems collision detection and more

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The Art of 3-D Computer Animation and Imaging Isaac V. Kerlow,2000-05-25 The complete state of the art guide to 3 D computer animation and imaging Essential for visual effects production computer games online interactive multimedia and more Incorporating the latest computer animation techniques and technology this outstanding guide offers clear step by step coverage of the entire process of creating a fully rendered 3 D computer still image or animation from modeling and rendering to animation and compositing Designed to work with any computer platform the book cuts through the technical jargon and features hundreds of inspiring color images and easy to understand instructive diagrams many of them new from visual effects in movies animated films TV shows and computer games This edition has been fully revised and updated including new material on the latest character and facial animation techniques and an overview of the digital production process plus information on subdivision surfaces image based rendering motion capture and other current techniques Whether you are a student an independent artist or creator or a production company team member you ll find countless expert tips on how to improve the artistic and technical level of your 3 D computer animation Non platform specific 500 full color images Newest computer techniques Practical step by step approach Up to date guide to Internet resources

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