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	Sommario/riassunto	This first volume of Computational Modelling of Aircraft and the Environment provides a comprehensive guide to the derivation of computational models from basic physical & mathematical principles, giving the reader sufficient information to be able to represent the basic architecture of the synthetic environment. Highly relevant to practitioners, it takes into account the multi-disciplinary nature of the aerospace environment and the integrated nature of the models needed to represent it. Coupled with the forthcoming Volume 2: Aircraft Models and Flight Dynamics it represents a c