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Sommario/riassunto	This book provides the intermittency equation that is derived a priori. Since the intermittency equation is mathematically obtained, the resulting gamma transition model no longer requires any extra parameters and terms to explicitly account for free-stream turbulence and pressure gradient like the previous transition models. Instead, the present gamma transition model can naturally predict natural transition and effects of free-stream turbulence and pressure gradient on the transition process. Furthermore, the present gamma transition model requires much fewer model constants than the previous transition models. The book is beneficial for CFD researchers in industry and academia who confront modern complex applications involving simultaneously laminar, transitional and turbulent flow regimes, and

ideally relevant to graduate students in applied physics, applied mathematics and engineering who are interested in the world of laminar-to-turbulent transition modeling in CFD, or would like to further advance more realistic transition models in the future.