

rect these. But the authors have not taken their task of correcting mathematical expressions, checking figure numbers, and validating references seriously either. The reader may be misled by numerous incorrect exponents in power laws, such as Ra^3 instead of $Ra^{1/3}$ and will be irritated by the appearance of cross products instead of inner products in equations. Howard's (1966) famous theory of turbulent heat transport based on the breakup of thermal boundary layers was not published in his 1963 paper, and the property that the aspect ratio of fluid streamlines in steady convection rolls does not change with the Taylor number was first pointed out by Veronis (1959), not by Küppers and Lortz (1969) as the authors suggest. Authors' names are frequently misspelled. Only two papers by Küppers are cited, but his name is spelled in three different ways, none of which includes the umlaut ü. More serious are scientific errors, as, for example, the statement that oscillatory modes for convection exist as solutions of the basic linearized equations in the case of a nonrotating Bénard layer—a possibility that has already been disproved in Chandrasekhar's book, *Hydrodynamic and Hydro-magnetic Stability*.

Because these examples are typical rather than isolated instances, this reviewer regrets that he cannot recommend the monograph as strongly as he would like to do. The book is useful as a guide to a wide range of literature on buoyancy-driven flows in rotating systems. But as a lucid and reliable introduction to its subject area, it falls short of its goals.—*F. H. Busse*.

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