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Throughout the years, the faculty in Berkeley before my time may have molded its own continuum mechanics curriculum --- the so-called ``west coast system''. We start tensor algebra and analysis first. For the first course, we mainly teach Cartesian tensor in Euclidean space, but we do introduce concepts such as ``push forward'', ``pull-back''.

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Abstract. A concise account of various classic theories of fluids and solids, this book is for courses in continuum mechanics for graduate students and advanced undergraduates. Thoroughly class-tested in courses at Stanford University and the University of Warwick, it is suitable for both applied mathematicians and engineers.

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