

Abstract for an Invited Paper
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Identifying, measuring, and teaching physics expertise

CARL WIEMAN, University of British Columbia

Our goal in physics courses is to teach students to think about and solve physics problems like a physicist. But what does that really mean? I will discuss research on identifying those unique components of how a physicist thinks that distinguish their thinking from that of mere mortals. I will also discuss how these particular components of thinking can be better measured and taught.