

HB02:**Analogy and Structure in The Karlsruhe Physics Course****Location:** Washington 2**Date:** Wednesday, Feb.17**Time:** 8:42 AM -8:54 AM**Author:** Corrado Agnes, Politecnico di Torino
0039 11 8129832, corrado.agnes@polito.it**Co-Author(s):** None**Abstract:** What do electrically charged bodies in contact and completely inelastic collisions have in common? A waterfall and a thermal machine? I'll give a short review of the basic ideas underlying The Karlsruhe Physics Course, focusing on the exemplar role played by extensive and intensive physical quantities. I'll show that the direct metrization approach leads both to the deep analogies between the different areas of physics and to a straightforward and integral approach to the teaching.**Footnotes:** <http://www.physikdidaktik.uni-karlsruhe.de/>
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