

121. Zvi Artstein, **Intuition versus rigor** (in German), Alles Mathematik, Martin Aigner and Ehrhard Behrends, Editors, Springer Spektrum, 2016, pp 457-470

**Abstract.** The saying “we discover with intuition and prove with logic” is attributed to Henri Poincaré. This distinction between intuition and rigor is, indeed, part of the daily practice of mathematical research. We shall expose the origins of the dissonance between the two notions, follow the developments that have occurred as mathematics has progressed, and try to speculate on how the future of mathematics may look in this regard.

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