

- ▶ JAN VON PLATO, *On the dimensionality of deductive arguments.*

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A text is written as a linear succession of words that make up sentences, but modern theories of sentence structure represent sentences in a tree form. The way sentences compose into a deductive argument in logic and mathematics has likewise been written linearly, but modern theories of proof represent such arguments in tree form. It is shown, in part through historical examples from Aristotle, Frege, Hilbert and Bernays, Hertz, and Gentzen, what the decisive advantages of the tree form are, as compared to a linear arrangement of proofs.