

Peirce's Influence on Today's Mathematical Logic

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Abstract: Mathematical logic has two aspects: the syntactic aspect (which, for convenience, we can regard as including the deductive aspect) and the semantic aspect. Peirce's main influence on today's mathematical logic lies in his role in the development of first-order logic. Whereas the syntactic aspect of today's mathematical logic comes to us from Frege, the semantic aspect can, in a reasonable sense, be traced back to Peirce.

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