

ZMATH 2015d.00778

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Toward a proof of the chain rule.

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Summary: The proof of the chain rule from calculus is usually omitted from a beginning calculus course. Six different rationales and motivations are presented here to help students understand some of the rule's details and the reason the rule is valid.

Classification: I40 E50

Keywords: differential calculus; composition of functions; derivatives; chain rule; proofs; Leibniz notation; function-composition version