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 SIMPLICIAL METHODS IN ALGEBRA AND ALGEBRAIC GEOMETRY W. D. GILLAM Abstract. This is an introduction to / survey of simplicial techniques in algebra and algebraic geometry. We begin with the basic notions of simplicial objects and model categories. We then give a complete, elementary treatment of the model category structure
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mathematics, geometric calculus extends the geometric algebra to include differentiation and integration. The formalism is powerful and can be shown to encompass other mathematical theories including differential geometry and differential forms.
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