## PROGRESS IN DESCRIPTION OF TURBULENT COMBUSTION

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## ABSTRACT

Progress in describing turbulent combustion is discussed. Emphasis is placed on flamelet regimes because of their practical importance. Some recent accomplishments are reviewed, and prospects for future advances are emphasized, with special attention given to future needs.

## INTRODUCTION

Control of turbulent combustion traditionally is achieved by largely empirical methods. Better understanding of the characteristics of turbulent combustion can help in developing more direct, less empirical approaches to control strategies. The present contribution addresses recent progress in understanding and describing turbulent combustion. Special attention is paid to pollutant production, but other aspects are touched upon as well. Present and future progress can aid in developing new ideas on control of combustion.