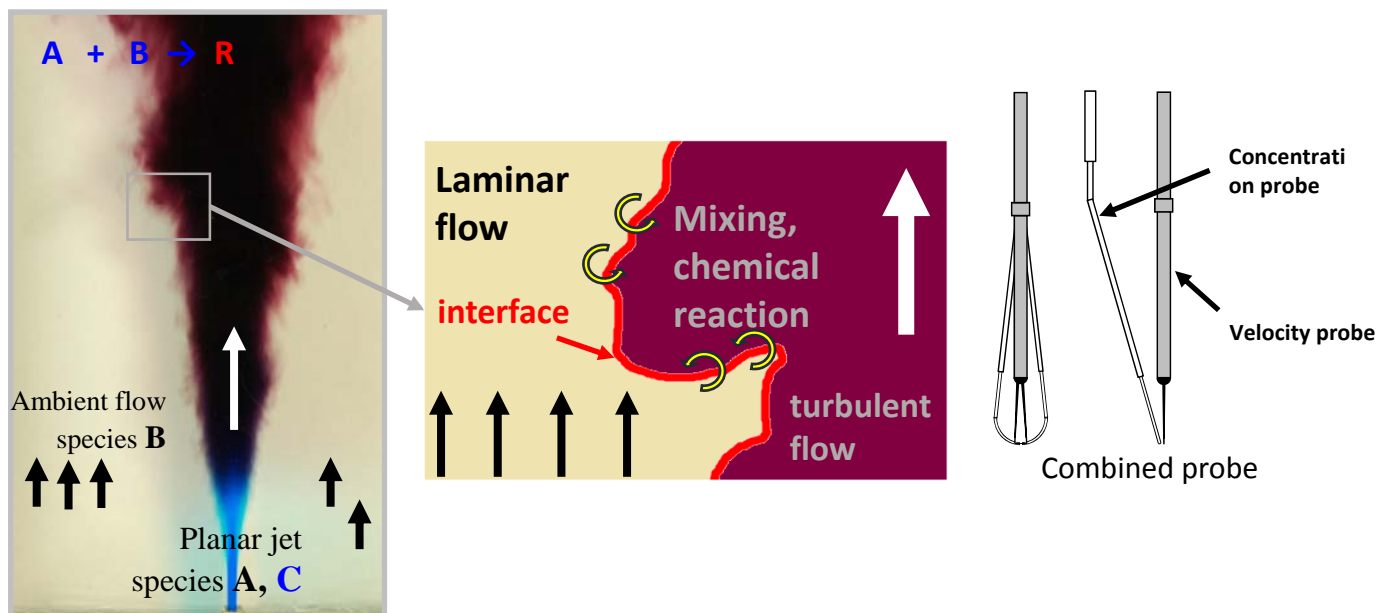


Chemical reaction in planar jets

Abstract

Chemical reactions occur with turbulence in chemical plants, rivers, oceans and so on. For precise prediction of the reaction products, we need accurate prediction model which takes account of both of chemical reaction and turbulence. In this study, we are clarifying the detailed mechanisms of chemical reaction especially at turbulent/non-turbulent interface in turbulent jet from the sophisticated experiments and numerical simulations.

Simultaneous measurement of velocity and scalar in planar jets



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