

Supplementary data

For each of the case, the two principal curvatures: k_1 and k_2 and the two parameters to characterise reactivity: thickness and maximum intensity along the normal to the contour have been plotted along the flame contour.

Case 1: $\phi=1.0$

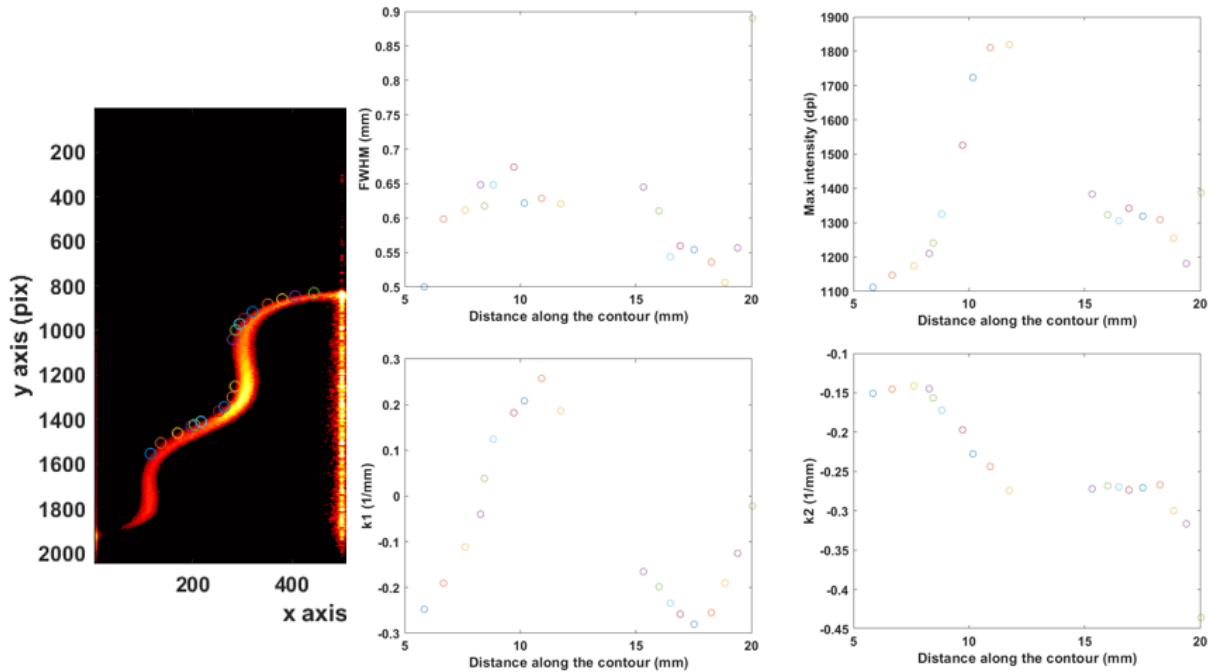


Figure 1: Curvature and reactivity plotted along the flame contour for $\phi=1.0$.

Case 2: $\phi=1.1$

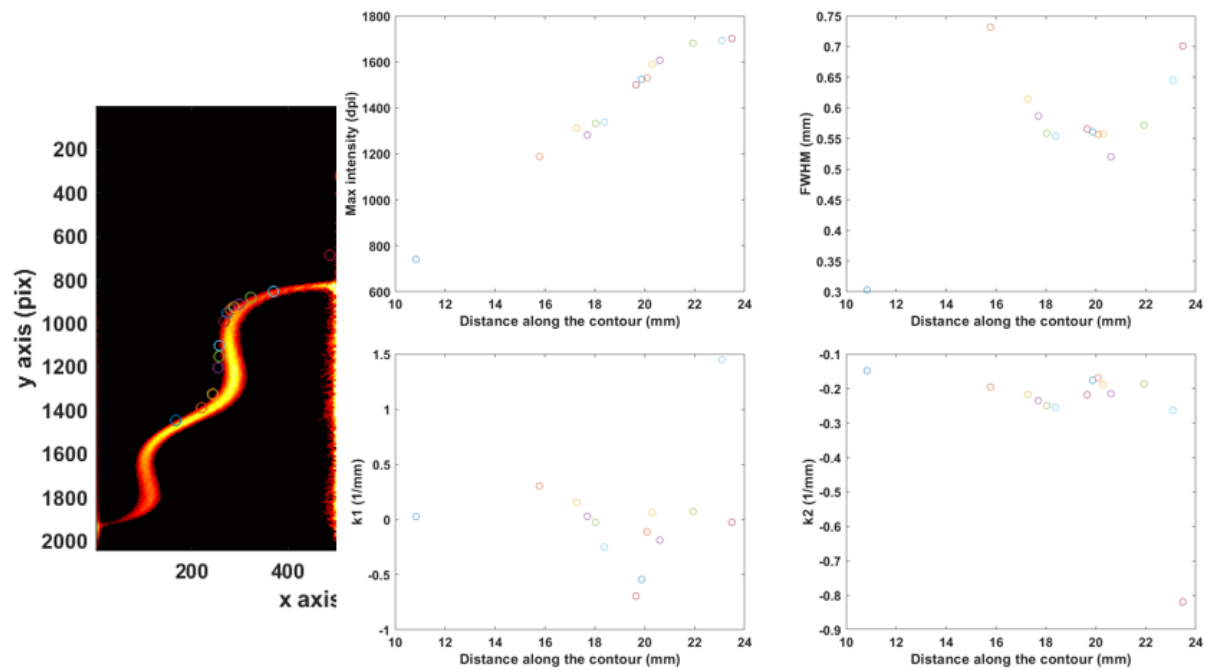


Figure 2: Curvature and reactivity plotted along the flame contour for $\phi=1.1$.

Case 3: $\phi=1.2$

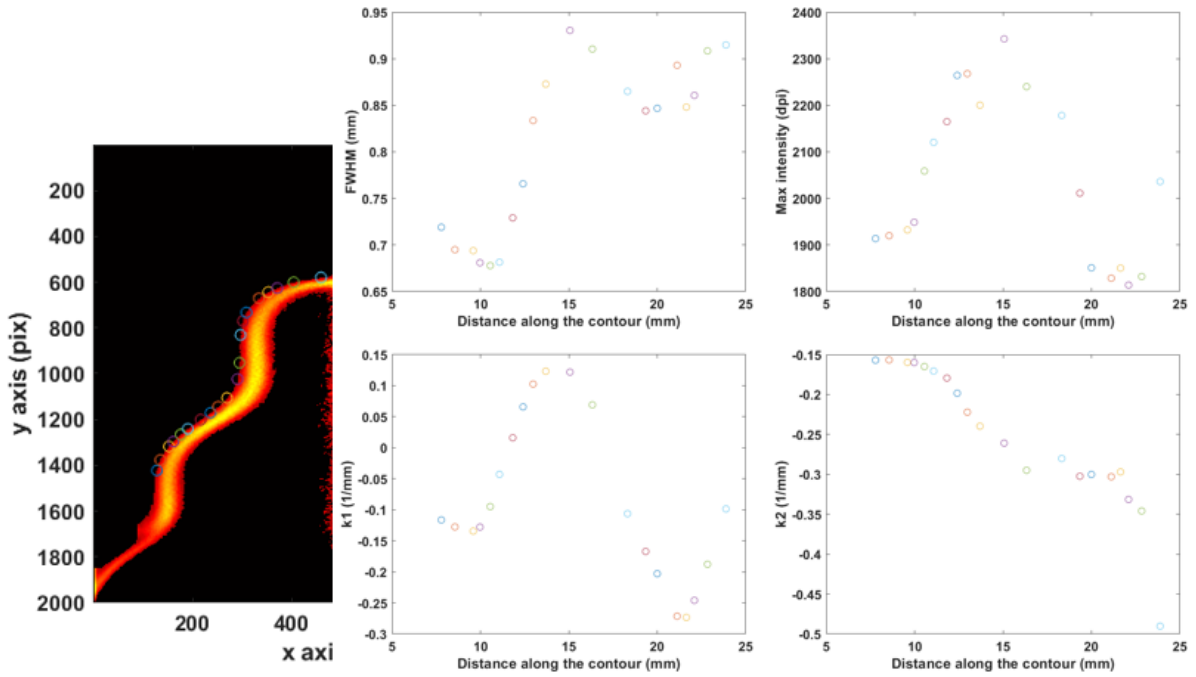


Figure 3: Curvature and reactivity plotted along the flame contour for $\phi=1.2$.

Case 4: $\phi=1.3$

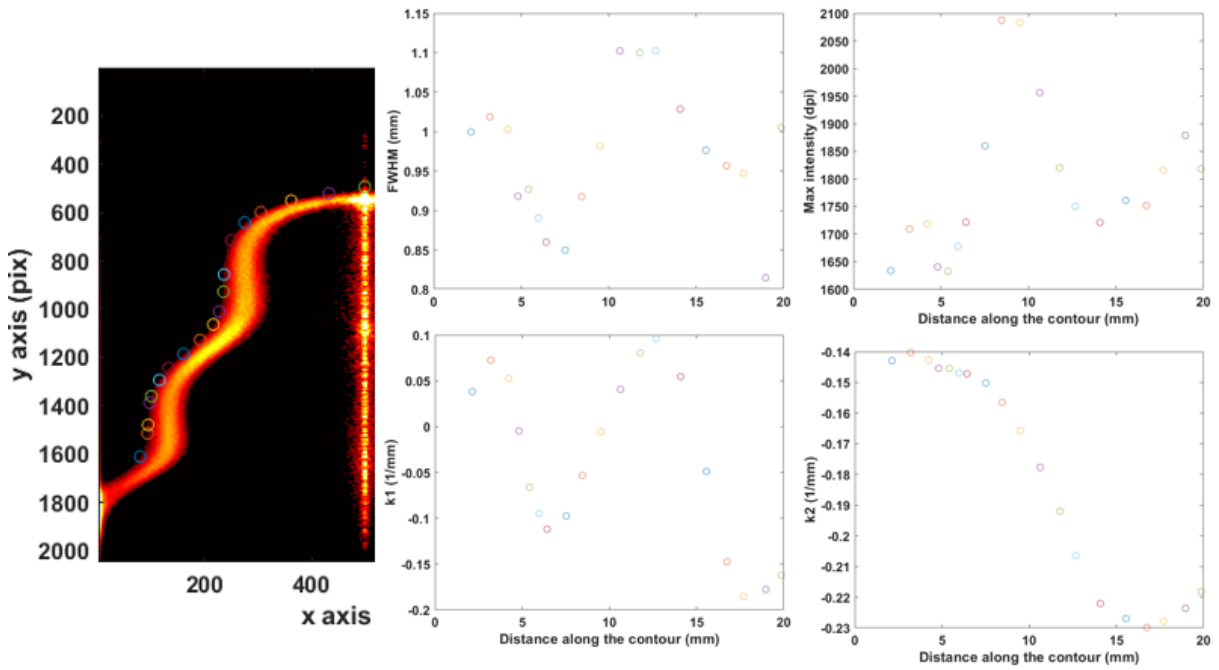


Figure 4: Curvature and reactivity plotted along the flame contour for $\phi=1.3$.

Case 5: $\phi=1.4$

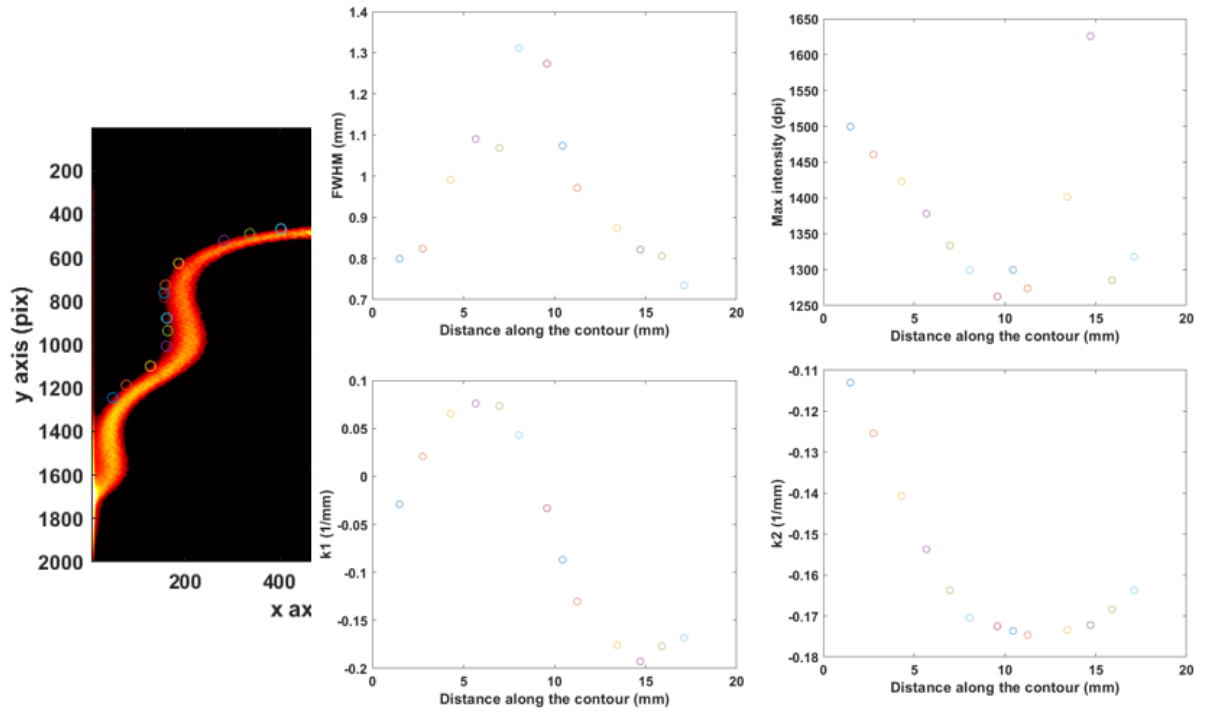


Figure 5: Curvature and reactivity plotted along the flame contour for $\phi=1.4$.