Front growth and local mixing

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The instability produced if a shock or sudden acceleration takes place is known as Richtmyer-Meshkov (RM) instability. Front advance and mixing is studied analyzing mixedness,[2] the third order structure functions, that indicate strong inverse cascades towards the large scales producing spectral variations[3]. The mixing processes are compared by mapping the different intermittency and the multifractal scaling in the spike and bubble arrays.