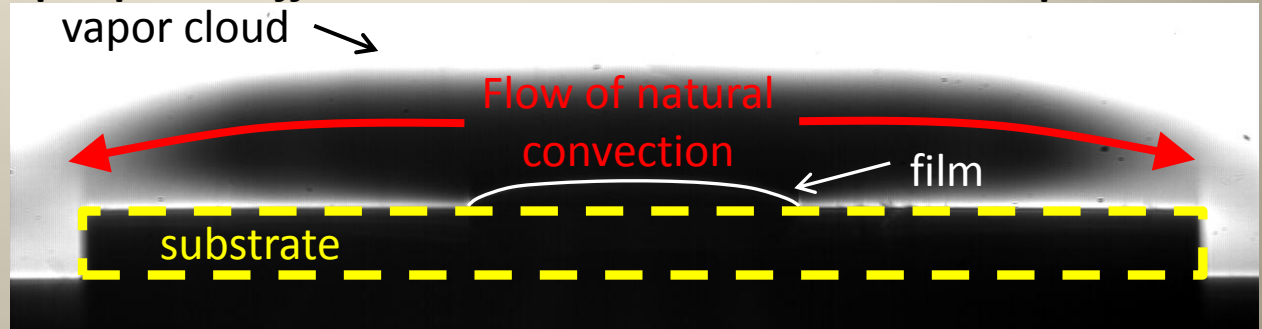


# Experimental Study of Transport Phenomena of Evaporating Fuel Films

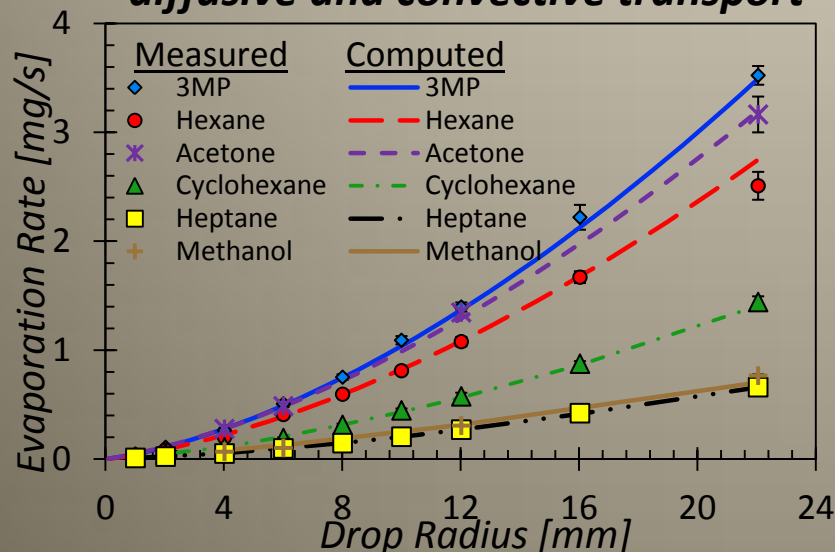
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**Vapor phase *diffusion* and *convection* control the evaporation rate.**

Schlieren Image of an Evaporating Hexane Film:  
The dark region shows the vapor cloud that forms above the film.



**Correlation developed to compute the evaporation rate under *combined diffusive and convective transport***



**Measured Vapor Concentration Distribution above a Hexane Film.**

