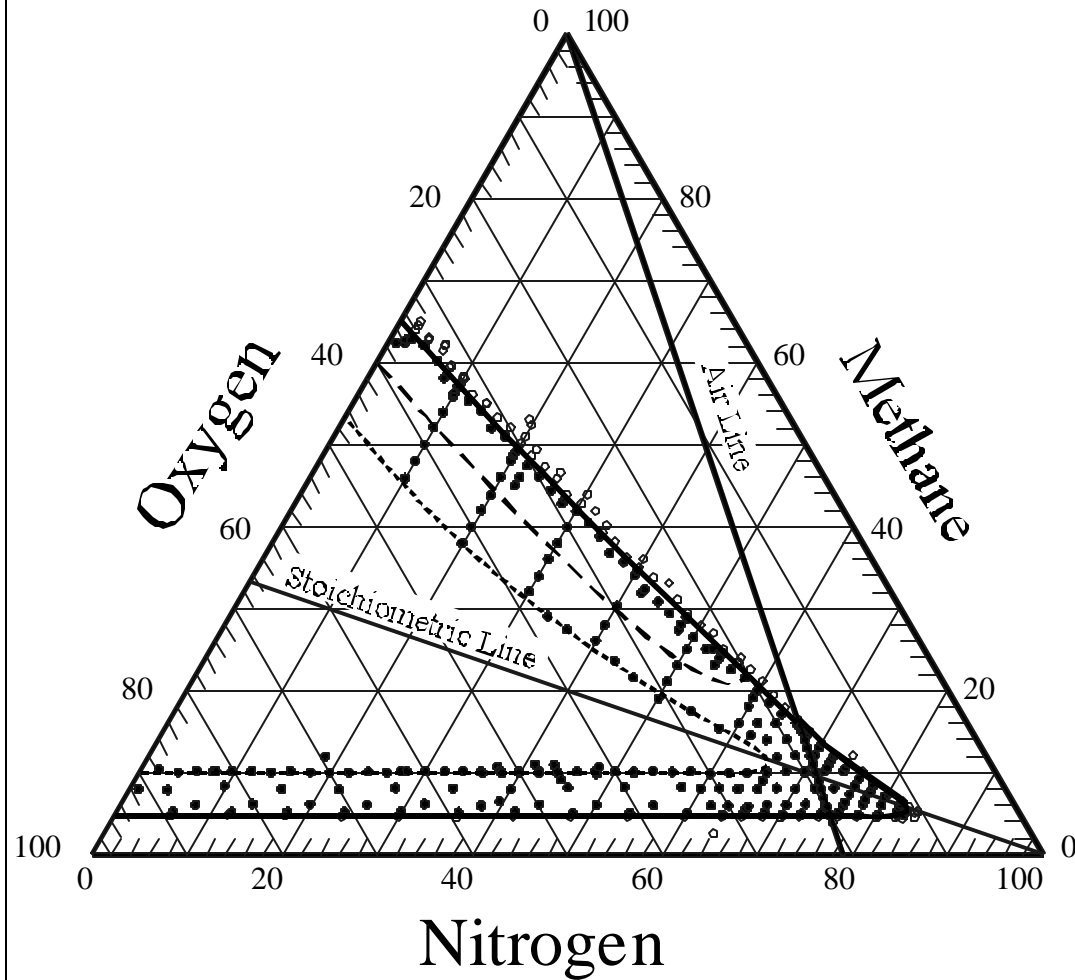


# Flammability Diagram for Methane



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## Experimental Conditions

Initial Pressure: 14.69 psia  
 Initial Temperature: 25°C  
 Reactor Volume: 20 liters  
 Ignitor Location: Center  
 Ignitor Type: 1cm 40 AWG SnCu/500VA  
 Ignitor Energy: 10 J

- Flammable Mixture
- Non-Flammable Mixture
- - - Soot Formations
- - - - Transition Boundary

Figure 5.13: Experimental flammability diagram for methane.