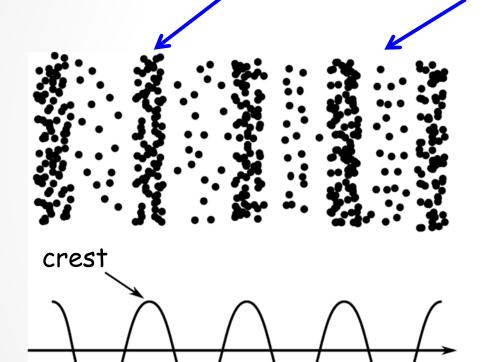


trough

## What is Sound ?



Series of **Compressions** and **Rarefactions** 



Wavelength =  $\lambda$ 

Speed of sound = c (m/s)

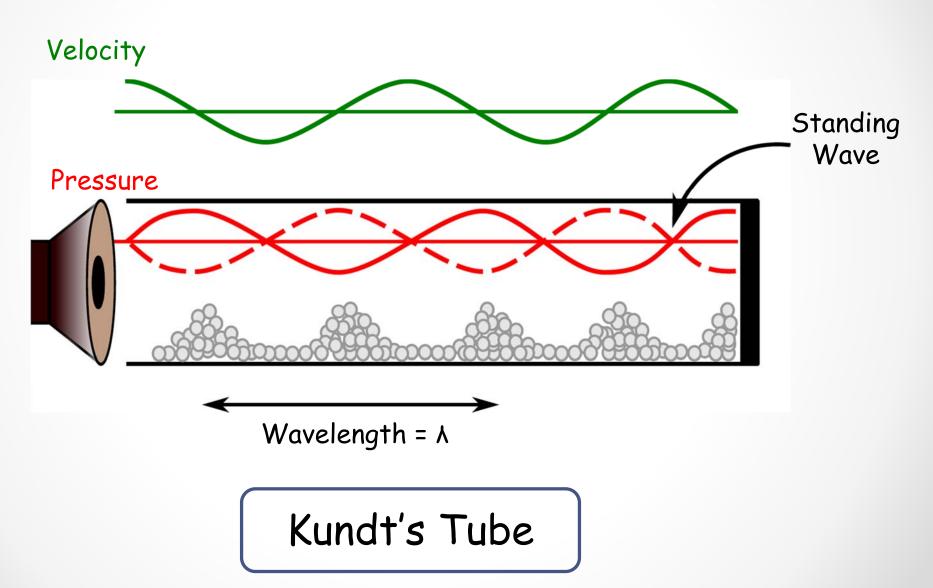
Frequency -

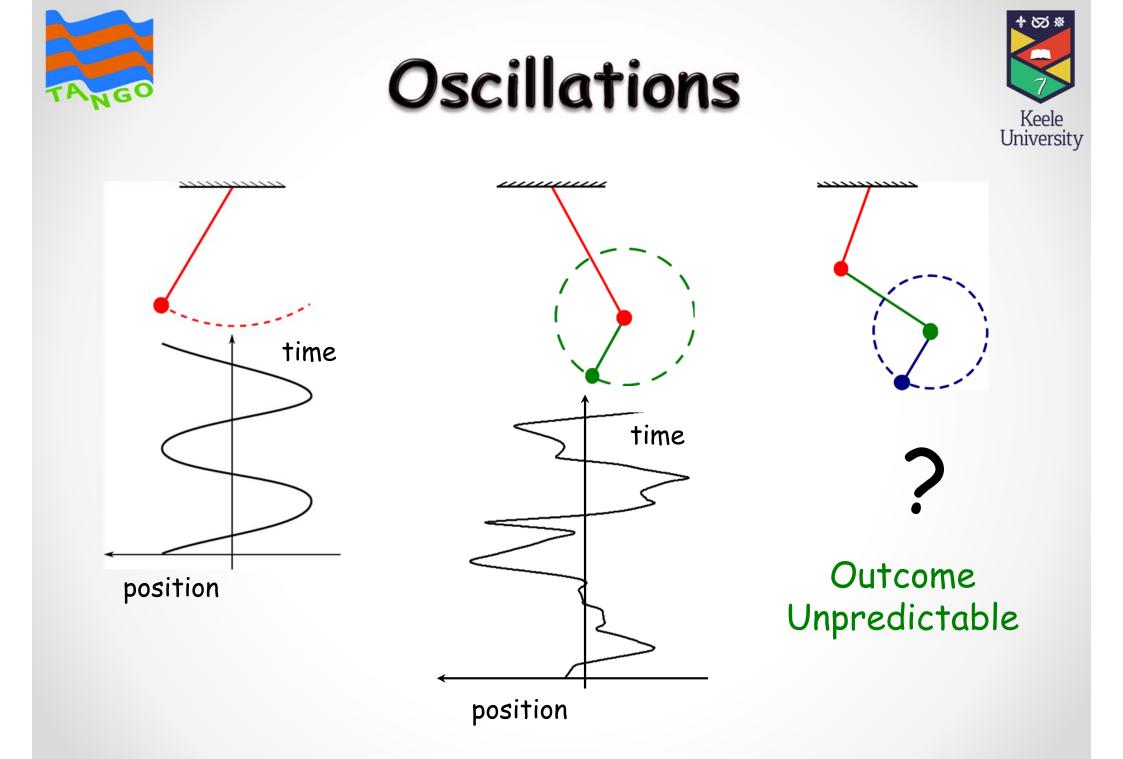
 $f = c / \lambda (Hz)$ 







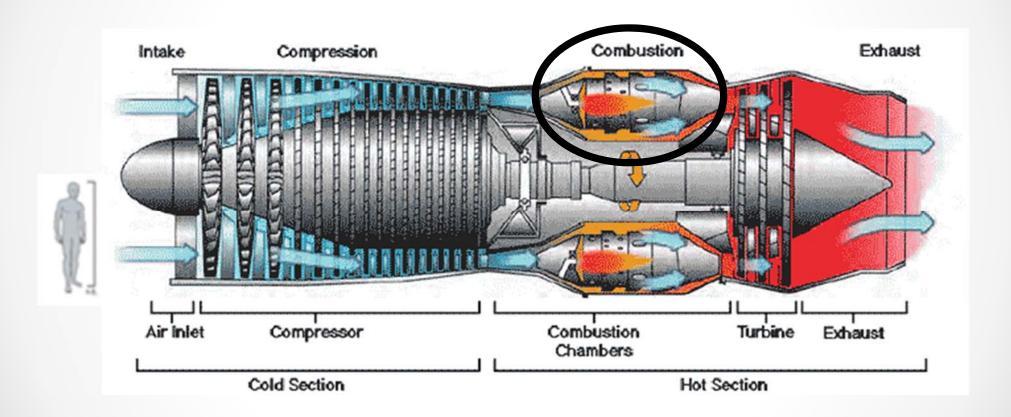




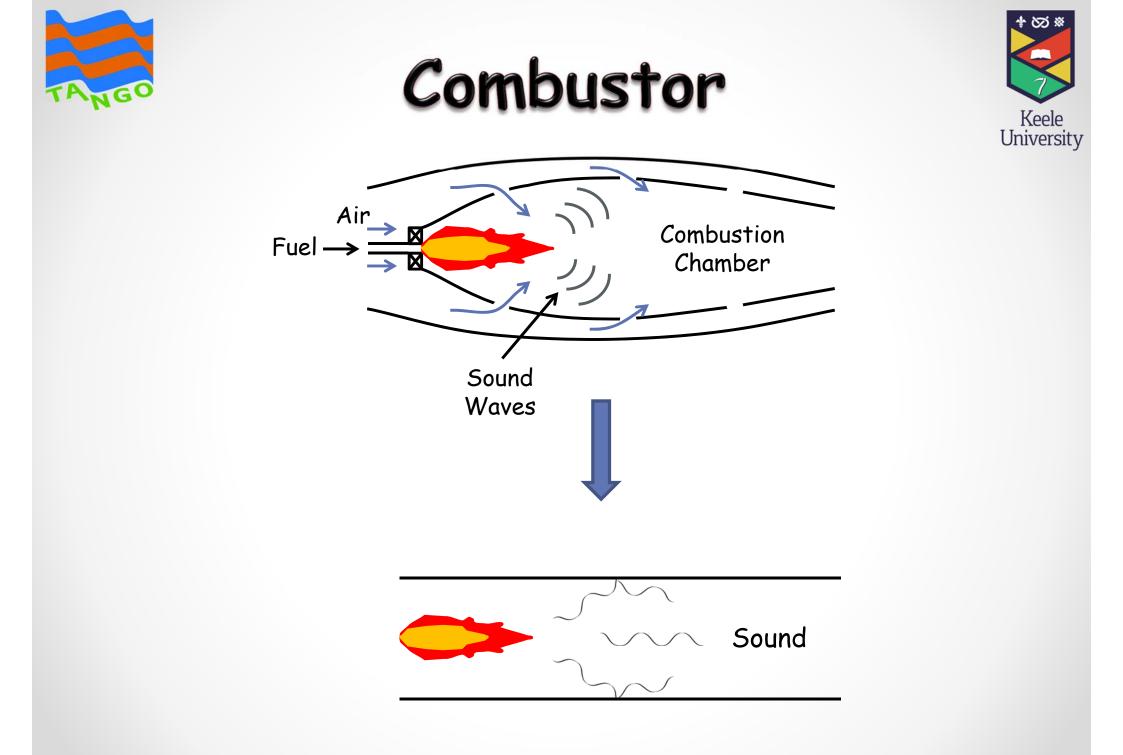


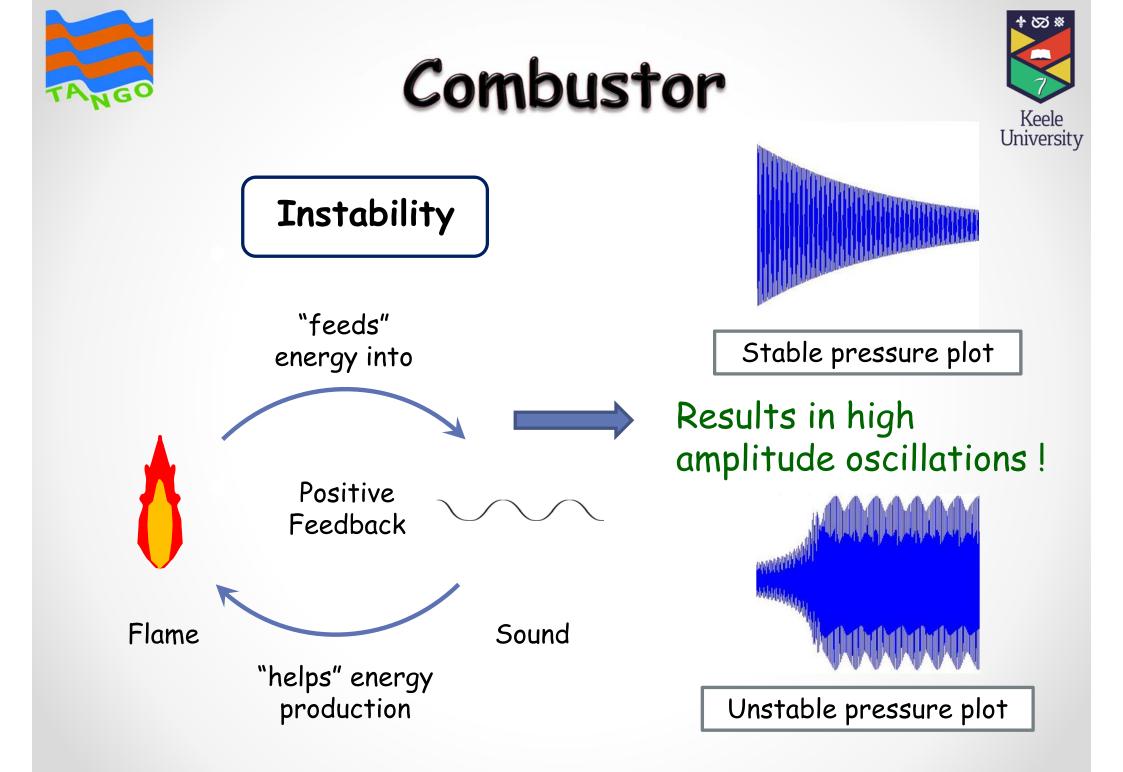
## Gas Turbine Engine

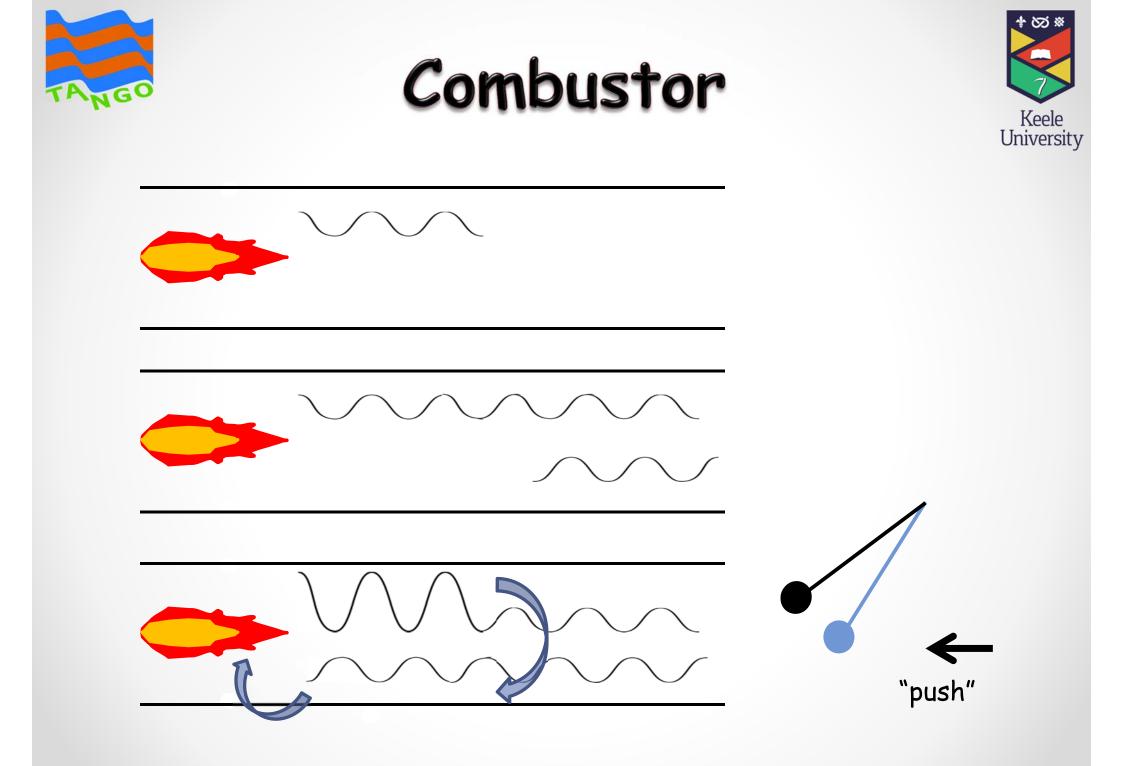


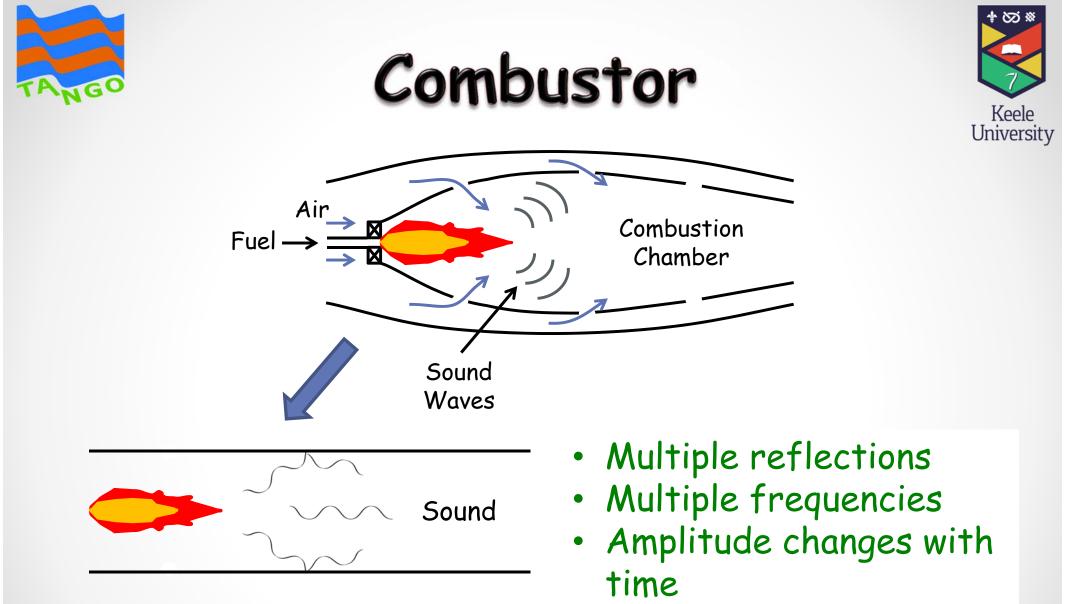


Courtesy: Federal Aviation Administration, via Wikimedia Commons









• Outcome unpredictable

## COMPLEX !!!



