3.5% C₂H₄, 3.5% O₂, 93.00% Ar, Φ = 3.0, p_{av} = 2.12 atm

Ignition delay time (τ) / μs

10^{4} K / T

3.5% C₂H₄, 3.5% O₂, 93.00% Ar, Φ = 3.0, p_{av} = 9.86 atm

Ignition delay time (τ) / μs

10^{4} K / T
1.75% C₂H₄, 5.25% O₂, 93.00% Ar, Φ = 1.0, p_{av} = 9.32 atm

![Graph showing ignition delay time (τ) vs. \(10^4 K / T\) for 1.75% C₂H₄, 5.25% O₂, 93.00% Ar at Φ = 1.0 and p_{av} = 9.32 atm.]

1.00% C₂H₄, 3.00% O₂, 96.00% Ar, Φ = 1.0, p_{av} = 2.03 atm

![Graph showing ignition delay time (τ) vs. \(10^4 K / T\) for 1.00% C₂H₄, 3.00% O₂, 96.00% Ar at Φ = 1.0 and p_{av} = 2.03 atm.]
1.00% C₂H₄, 3.00% O₂, 96.00% Ar, Φ = 1.0, p_{av} = 9.85 atm

1.00% C₂H₄, 3.00% O₂, 96.00% Ar, Φ = 1.0, p_{av} = 17.9 atm
0.50% C$_2$H$_4$, 1.50% O$_2$, 98.00% Ar, $\Phi = 1.0$, $p_{av} = 2.12$ atm

![Graph 1](image1)

0.50% C$_2$H$_4$, 1.50% O$_2$, 98.00% Ar, $\Phi = 1.0$, $p_{av} = 9.80$ atm

![Graph 2](image2)
0.50% C<sub>2</sub>H<sub>4</sub>, 1.50% O<sub>2</sub>, 98.00% Ar, Φ = 1.0, \( p_{av} = 18.25 \) atm