# Bài thí nghiệm số 4:

**XÁC ĐỊNH TỶ SỐ NHIỆT DUNG PHÂN TỬ CHẤT KHÍ**

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| Họ và tên SV | Nhóm: | Nhận xét của GV |
| 1. | Thứ: |  |
| 2. | Tiết: |
| 3. |  |

## A – CÂU HỎI CHUẨN BỊ

### Định nghĩa và viết biểu thức của nhiệt dung riêng và nhiệt dung phân tử.

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### Nhiệt dung của chất khí có phụ thuộc điều kiện của quá trình nung nóng không?

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1. Phân biệt nhiệt dung phân tử đẳng tích Cv và đẳng áp Cp. Tìm biểu thức liên hệ giữa chúng để chứng tỏ Cp> Cv.

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### Đại lượng cần xác định trong bài là gì? Hãy viết công thức và chú thích các đại lượng có liên quan.

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**B - SỐ LIỆU - TRÌNH BÀY KẾT QỦA**

## Bảng số liệu

* + Độ chính xác của thước mm:
  + Độ chênh lệch áp suất ban đầu: =

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Lần đo** | **y3 (mm)** |  | **y4 (mm)** |  |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 |  |  |  |  |
| 9 |  |  |  |  |
| 10 |  |  |  |  |
| 11 |  |  |  |  |
| 12 |  |  |  |  |
| 13 |  |  |  |  |
| 14 |  |  |  |  |
| 15 |  |  |  |  |
| **Trung bình** |  |  |  |  |

1. **Tính giá trị trung bình.**

## Tính giá trị trung bình của tỷ số nhiệt dung phân tử γ và số bậc tự do i

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## Tính các sai số của γ , i.

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## Viết kết quả đo γ , i.

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## Nhận xét kết quả đo γ , i.

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