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| **Ministère de l’Enseignement Supérieur**  **et de la Recherche Scientifique**  **Université Mohamed Boudiaf de M’sila**  **Faculté de Technologie**  **Département de Génie Mécanique** | **logo univ msila** | **وزارة التعليم العالي والبحث العلمي**  **جامعة محمد بوضياف بالمسيلة**  **كلية التكنولوجيا**  **قسم الهندسة الميكانيكية** |

Niveau : 2eme Année Génie mécanique

**MODULE :**

**MECANIQUE DES FLUIDES**

**TP N° : 02**

**ÉTUDE DU CENTRE**

**DE POUSSÉE**

Enseignant :

Dr : BERKACHE Amar Étudiant :

**1. Calcul expérimental :**

**Tableau 2.1 Immersion partielle**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **M(Kg)** | **h(m)** | **yc(m)** | **A(m2)** | **F(N)** | **y(m)** | **yp(m)** |
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**Tableau 2.2 Immersion totale**

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| --- | --- | --- | --- | --- | --- | --- |
| **M(Kg)** | **h(m)** | **yc(m)** | **A(m2)** | **F(N)** | **y(m)** | **yp(m)** |
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**2. Calcul théorique:**

**Tableau 2.3 Immersion partielle**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **M(Kg)** | **h(m)** | **yc(m)** | **A(m2)** | **Ix** | **yp(m)** | **y(m)** | **F(N)** |
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**Tableau 2.4 Immersion totale**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **M(Kg)** | **h(m)** | **yc(m)** | **A(m2)** | **Ix** | **yp(m)** | **y(m)** | **F(N)** |
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**2) Tracer avec Excel les graphes yth=f(h) et yexp=f(h) ainsi que Fthe =f(h) et Fexp=f(h)**

**Conclusion……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**