

*Script_TP02_Application_04

% APPLICATION 4:

% Tracé de la surface et des lignes de niveau:

figure

```
[h1,h2]=meshgrid(1:0.05:10,1:0.05:10);
```

```
H3=3-(((1/3)*h1)./(3*h2.^2))+((1/3)*exp(1./(3*h1.^(1/3))));
```

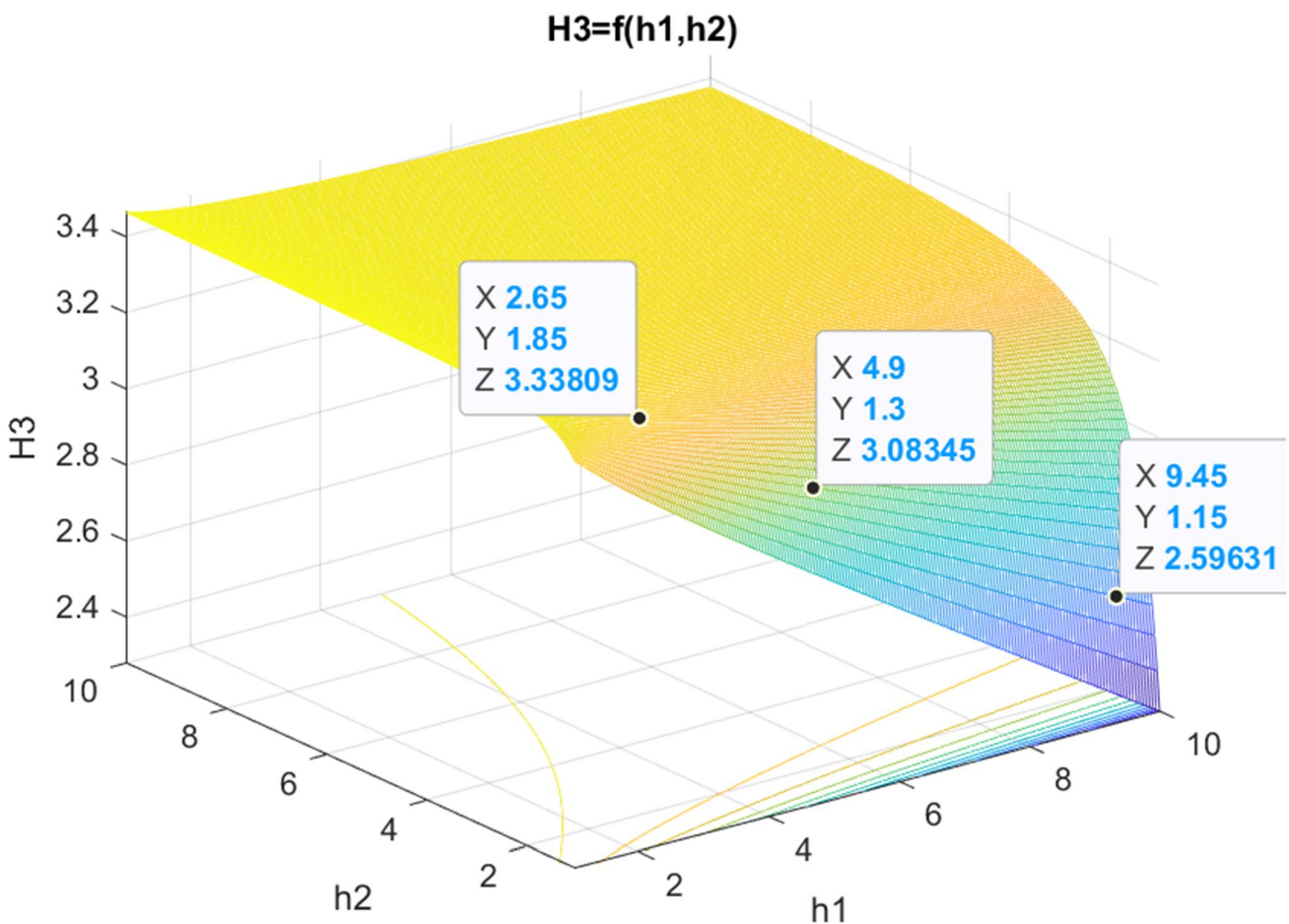
```
meshc(h1,h2,H3)
```

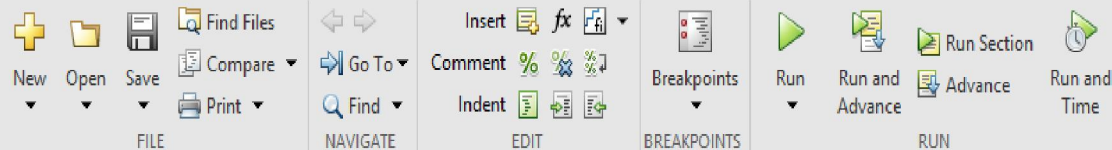
```
xlabel('h1'),ylabel('h2'),zlabel('H3')
```

```
title('H3=f(h1,h2)')
```

*Commande window

>> TP2_Application_04





F:\Abdelhadi\logiciels\Program files\Matlab R2021a\applications

Current Folder Editor - F:\Abdelhadi\logiciels\Program files\Matlab R2021a\applications\TP02_Application_04.m

Name ▲

- TP1_Application_01.m
- TP1_Application_02.m
- TP1_Application_03.m
- TP2_Application_01.m
- TP02_Application_02.m
- TP02_Application_03.m
- TP02_Application_04.m

```
1 % APPLICATION 4:  
2 % Tracé de la surface et des lignes de niveau:  
3 figure  
4 [h1,h2]=meshgrid(1:0.05:10,1:0.05:10);  
5 H3=3-(((1/3)*h1)./(3*h2.^2))+((1/3)*exp(1./(3*h1.^(1/3))));  
6 meshc(h1,h2,H3)  
7 xlabel('h1'),ylabel('h2'),zlabel('H3')  
8 title('H3=f(h1,h2)')
```

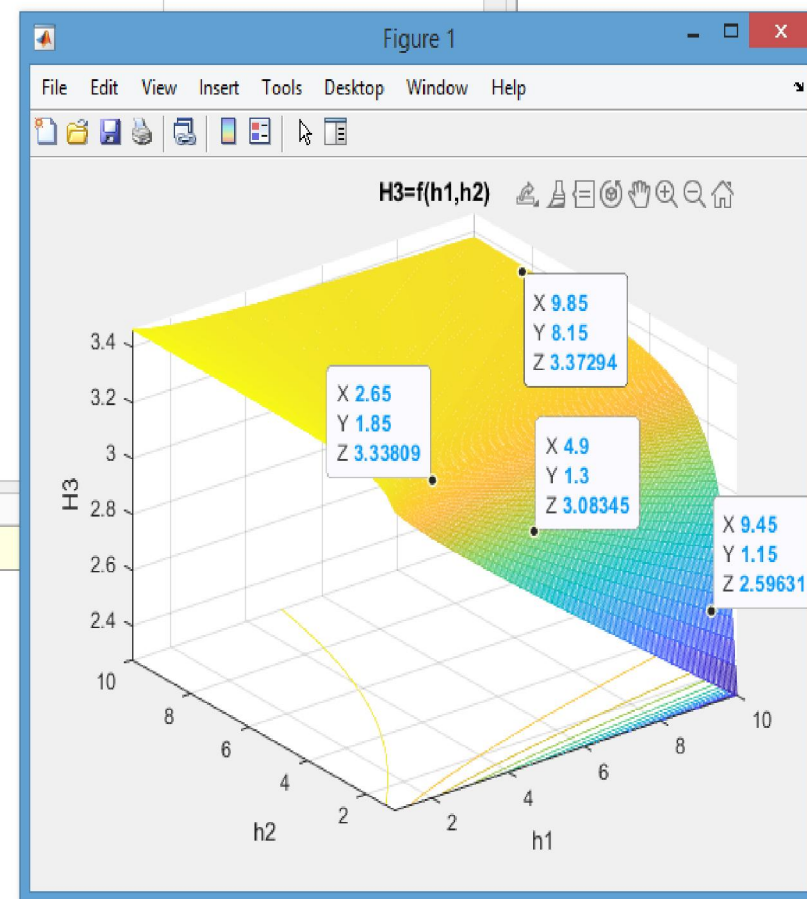
Workspace

Name ▲	Value
h1	181x181 double
h2	181x181 double
H3	181x181 double

Command Window

New to MATLAB? See resources for [Getting Started](#).

```
>> TP02_Application_04  
fx >>
```



TP02_Application_04.m (Script)