

Modélisation surfacique - Images

Louter Anas

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1 Génération de surface

1.1 Surface 1

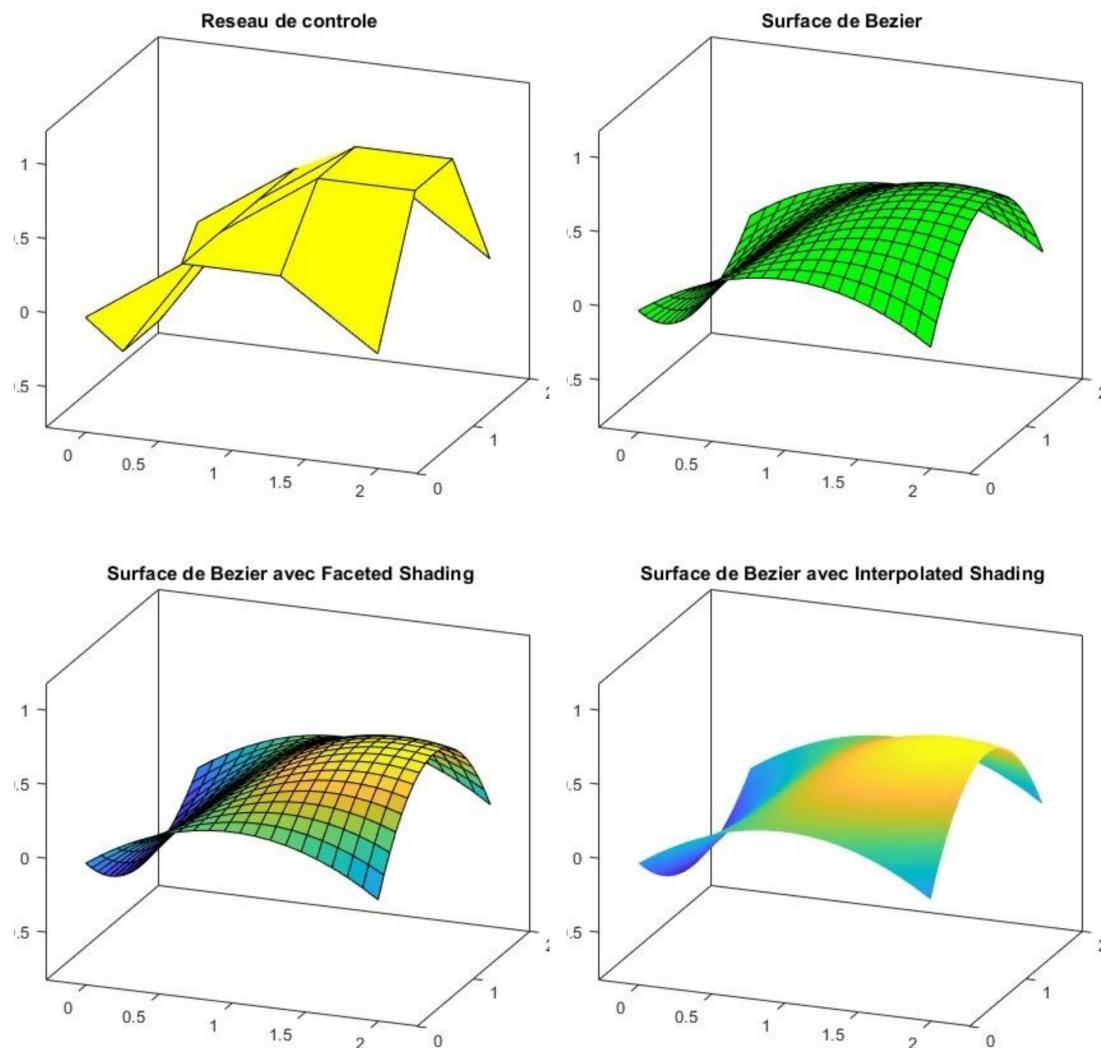


FIGURE 1 – 4 visualisations de la surface 1.

1.2 Surface 2

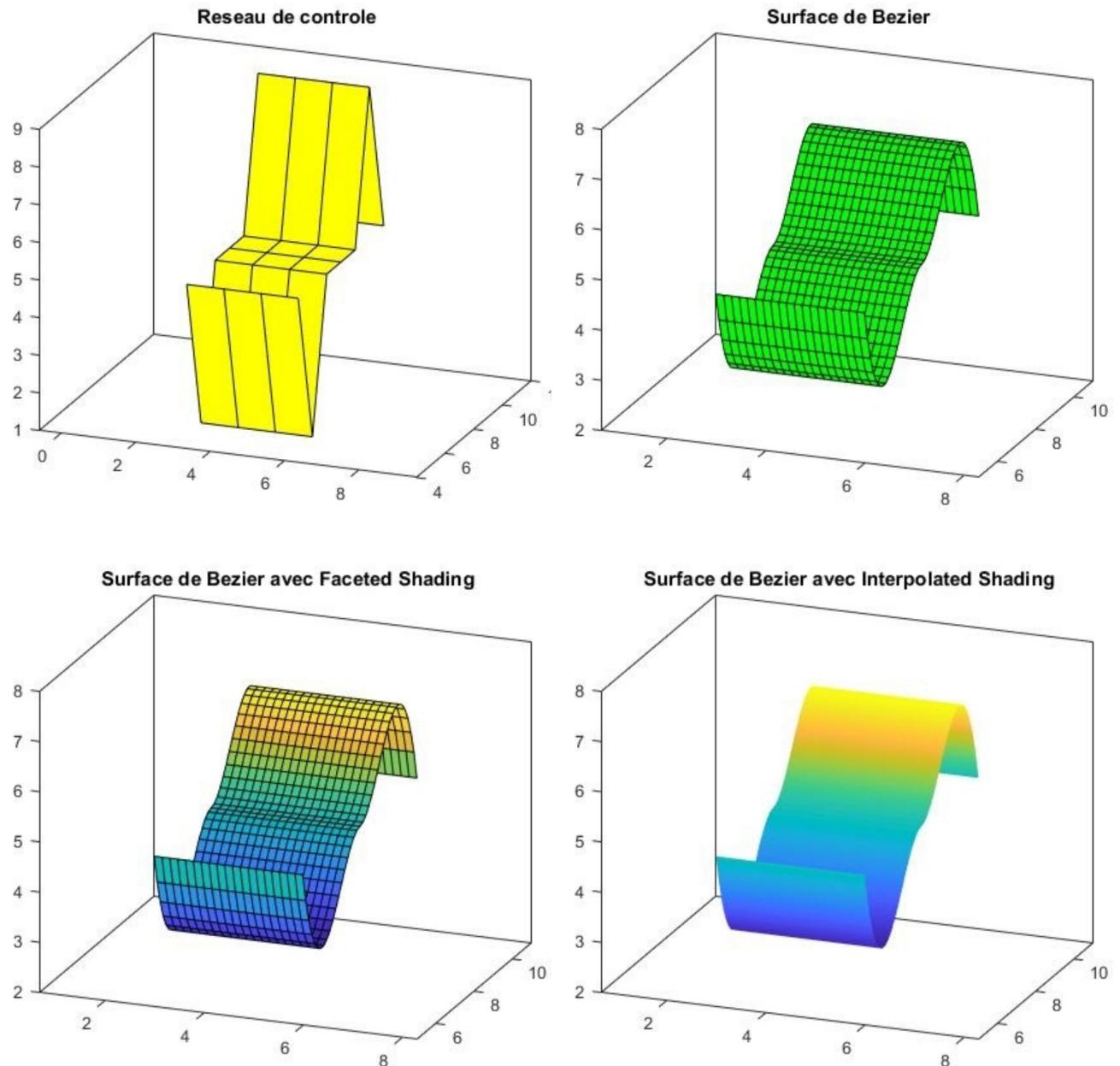


FIGURE 2 – 4 visualisations de la surface 2.

1.3 Surface 3

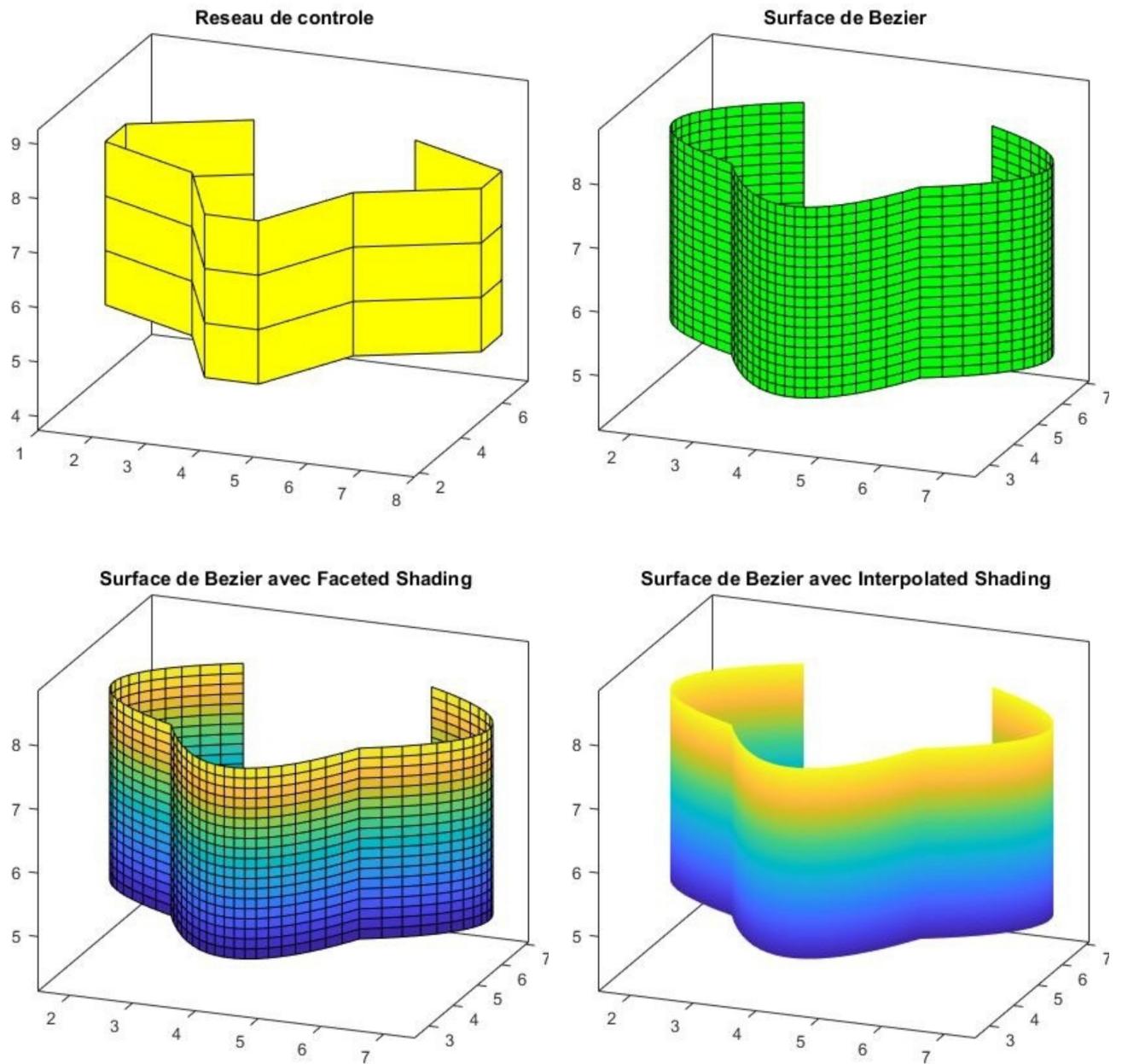


FIGURE 3 – 4 visualisations de la surface 3.

1.4 Surface 4

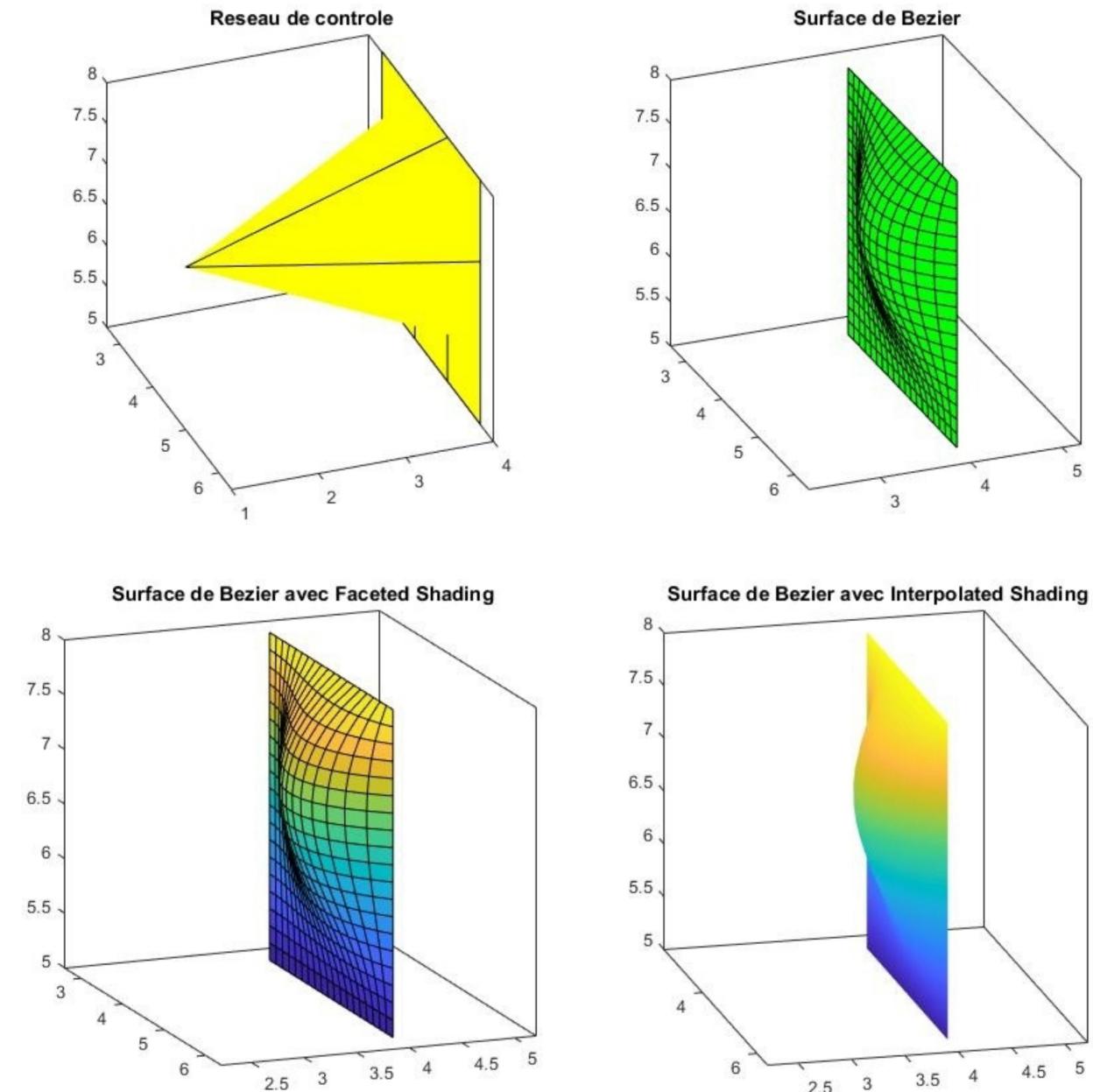


FIGURE 4 – 4 visualisations de la surface 4.

2 Champs de normales

2.1 Surface 1

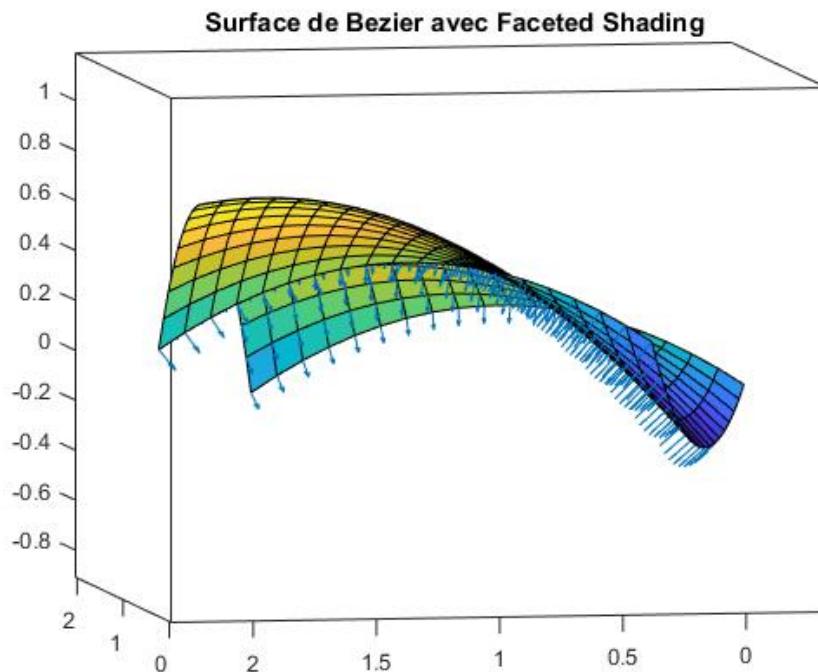


FIGURE 5 – Les normales sur la surface.

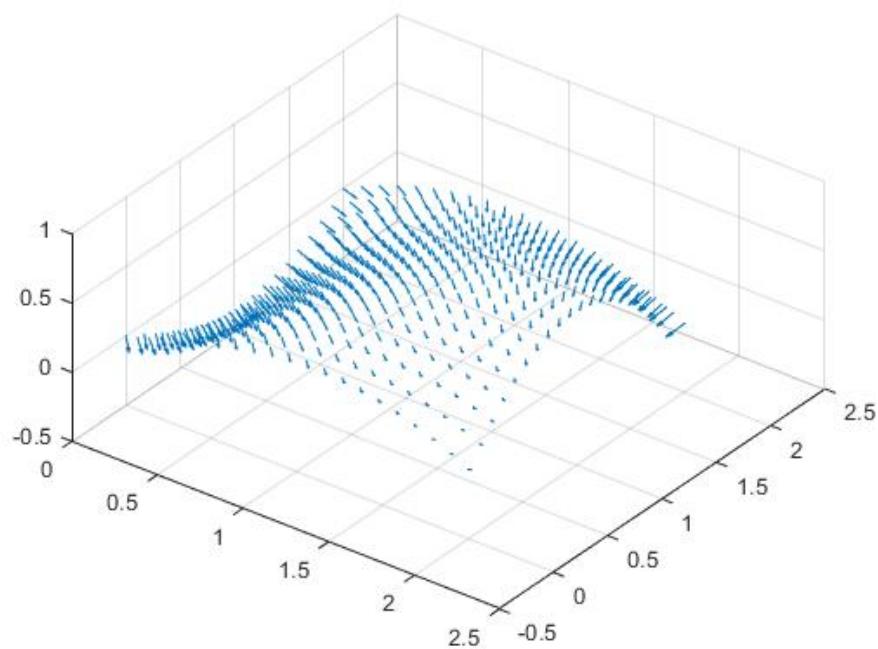


FIGURE 6 – Le champs de normales.

2.2 Surface 2

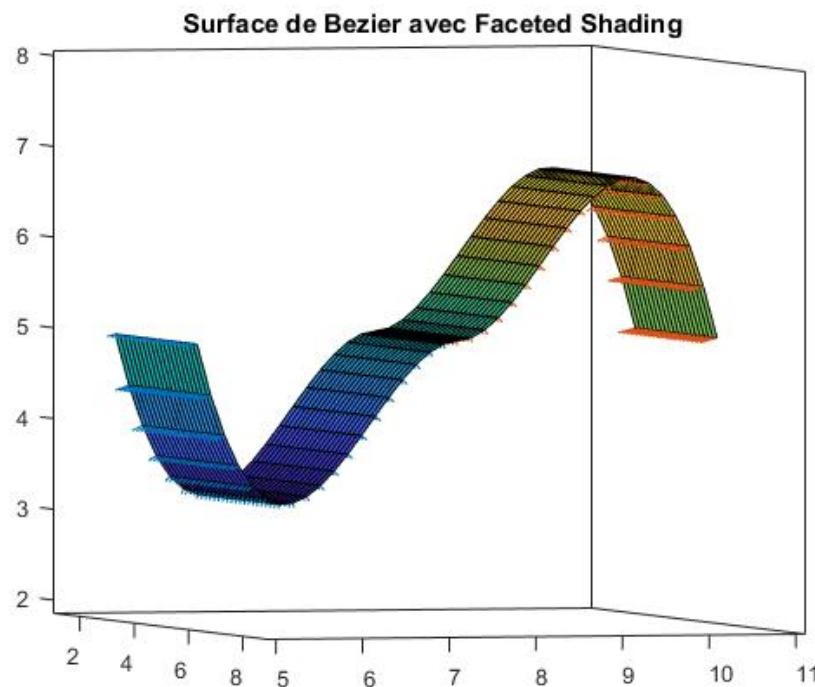


FIGURE 7 – Les normales sur la surface.

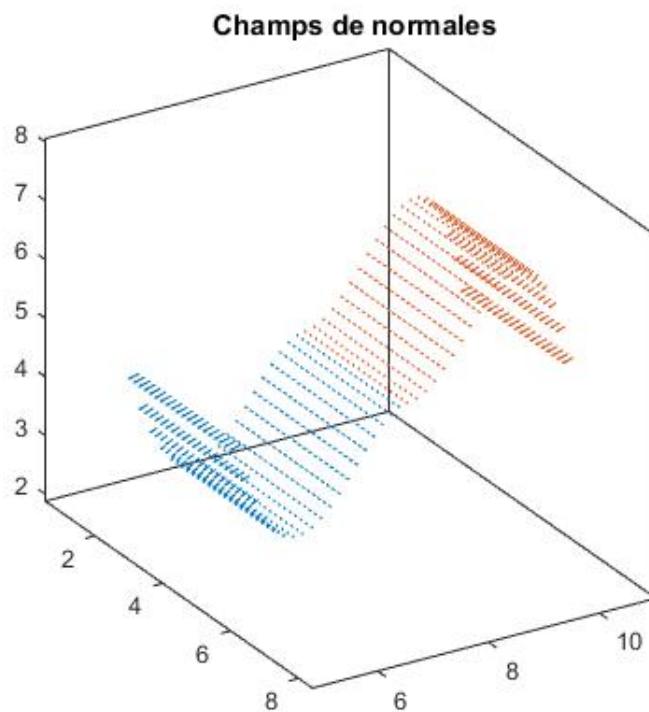


FIGURE 8 – Le champs de normales.

2.3 Surface 3

Surface de Bezier avec Faceted Shading

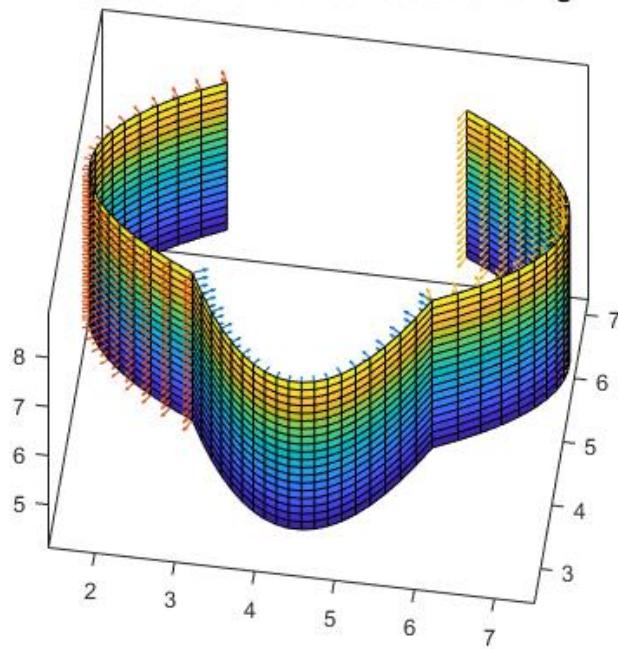


FIGURE 9 – Les normales sur la surface.

Champs de normales

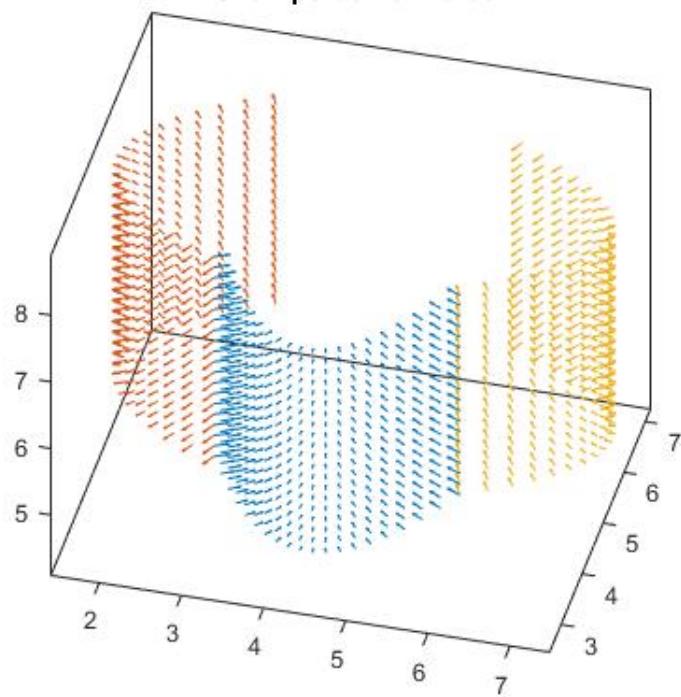


FIGURE 10 – Le champs de normales.

2.4 Surface 4

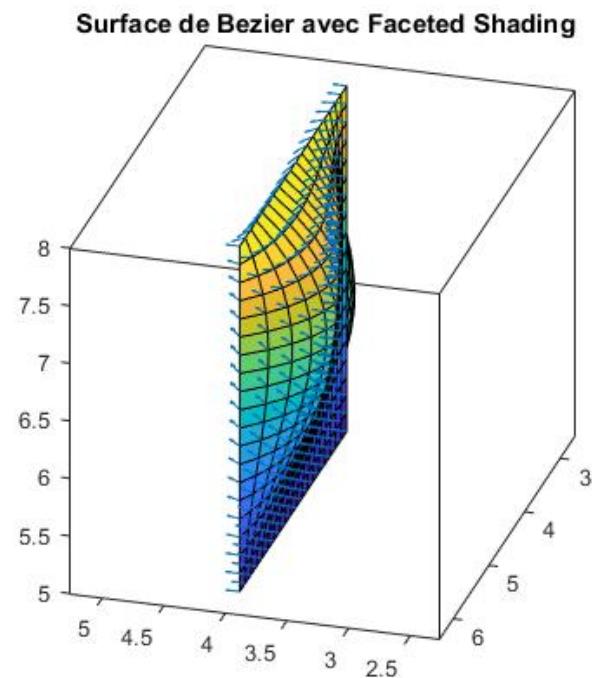


FIGURE 11 – Les normales sur la surface.

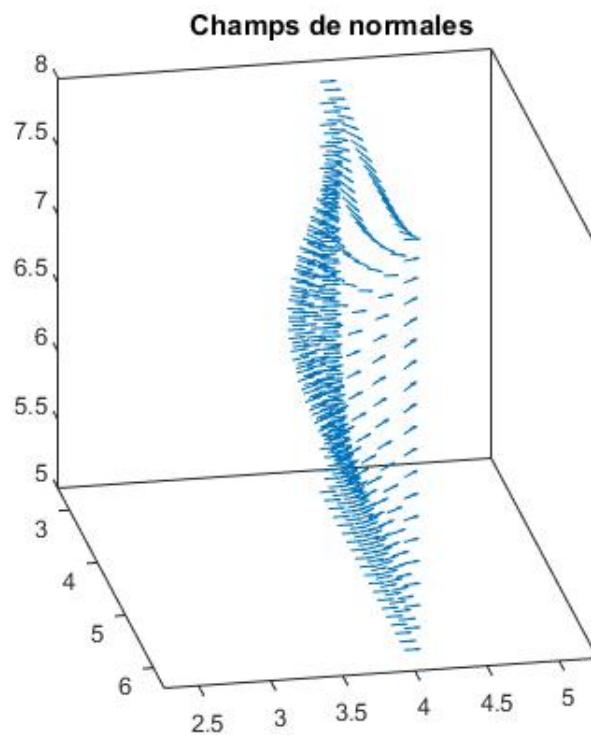


FIGURE 12 – Le champs de normales.

3 Isophotes

3.1 Surface 1

Isophotes lines for c values ranging from 0.05 to 0.5 with 0.05 step

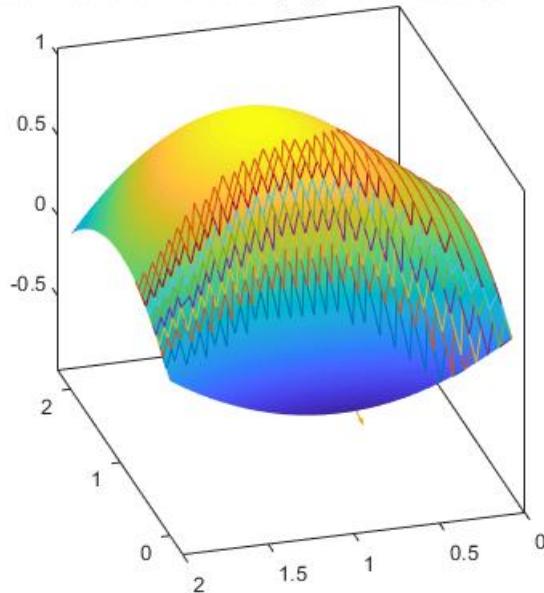


FIGURE 13 – Isophotes pour $L = [-6 -2 -5]/\text{norm}(L)$.

Isophotes lines for c values ranging from 0.05 to 0.5 with 0.05 step

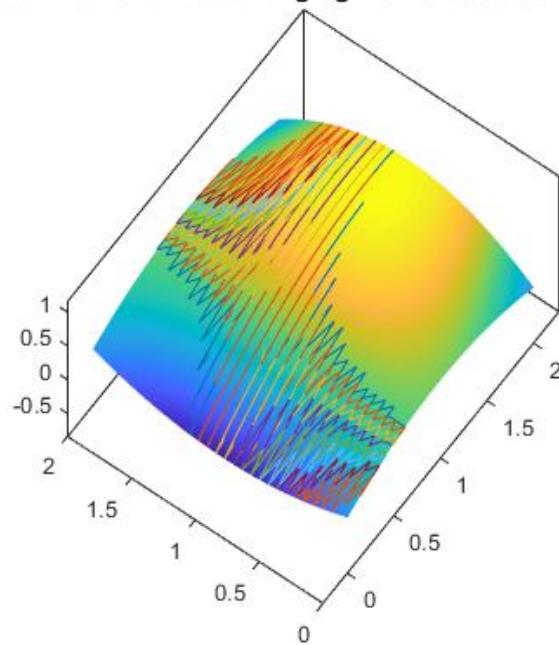


FIGURE 14 – Isophotes pour $L = [1 -4 0]/\text{norm}(L)$.

3.2 Surface 2

Isophotes lines for c values ranging from 0.05 to 0.5 with 0.05 step

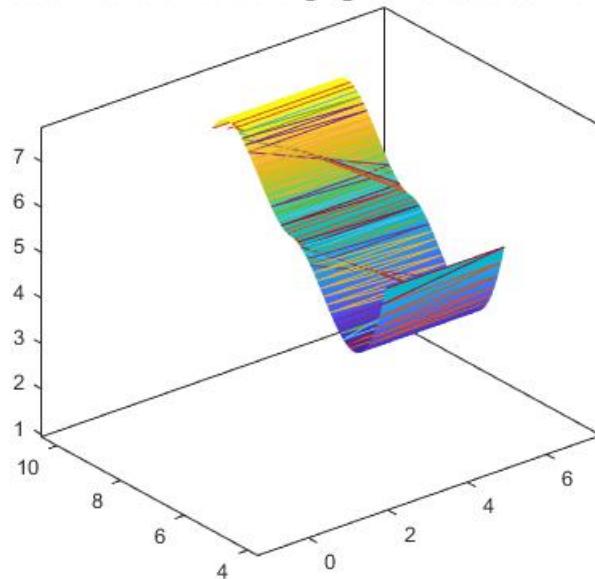


FIGURE 15 – Isophotes pour $L = [-6 -2 -5]/\text{norm}(L)$.

Isophotes lines for c values ranging from 0.05 to 0.5 with 0.05 step

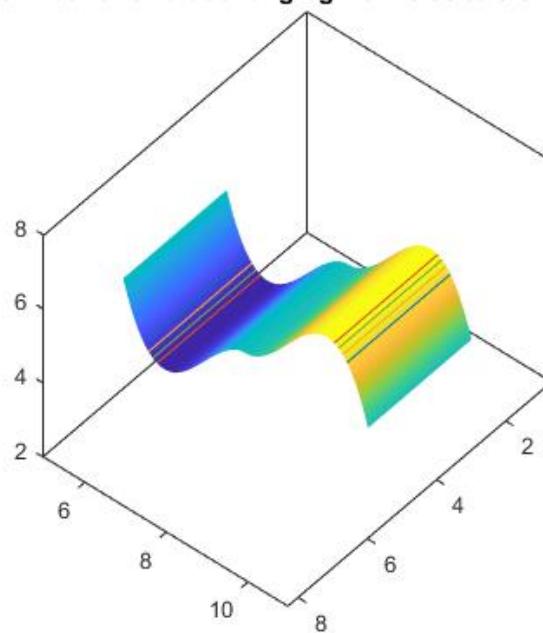


FIGURE 16 – Isophotes pour $L = [6 6 -6]/\text{norm}(L)$.

3.3 Surface 3

Isophotes lines for c values ranging from 0.05 to 0.5 with 0.05 step

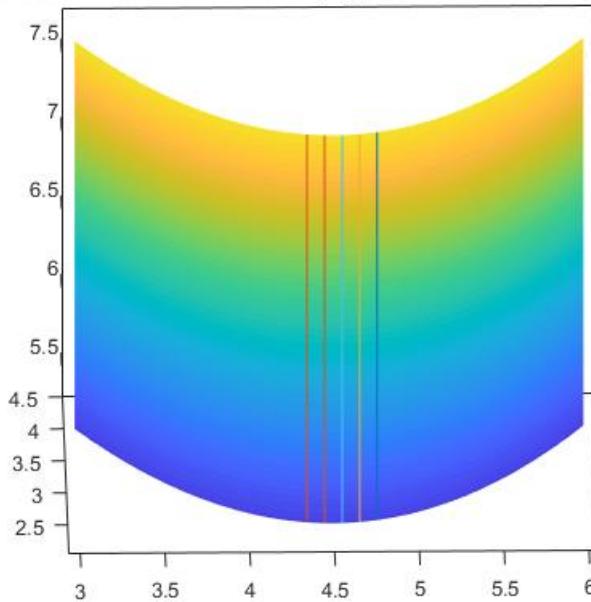


FIGURE 17 – Isophotes pour $L = [9 \ 4 \ -5]/\text{norm}(L)$.

Isophotes lines for c values ranging from 0.05 to 0.5 with 0.05 step

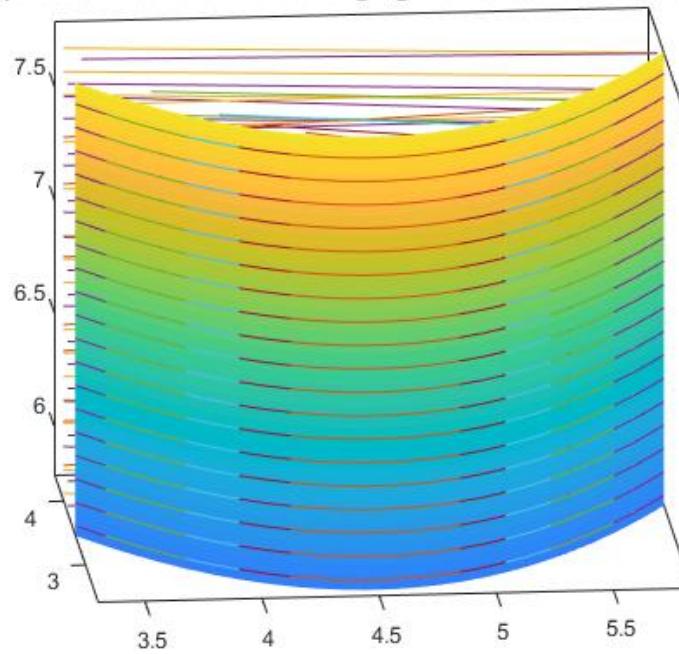


FIGURE 18 – Isophotes pour $L = [0 \ 3 \ -6]/\text{norm}(L)$.

3.4 Surface 4

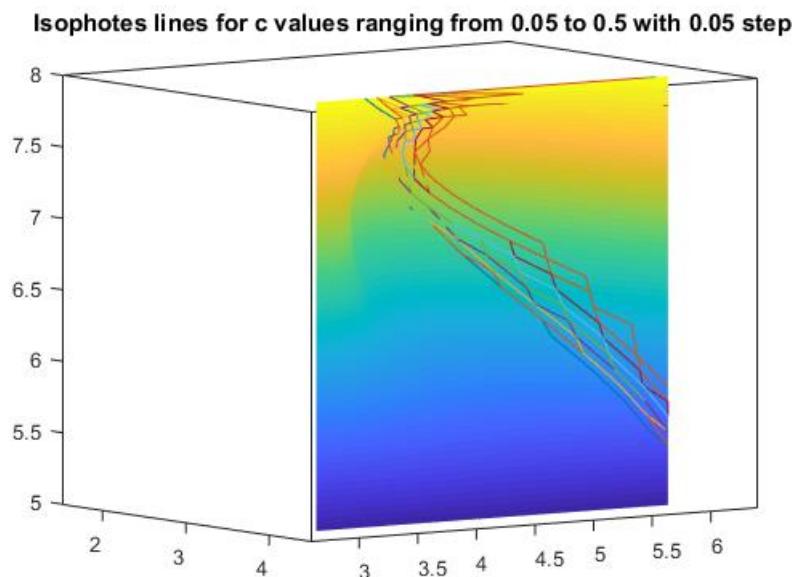


FIGURE 19 – Isophotes pour $L = [-6 -2 -5]/\text{norm}(L)$.

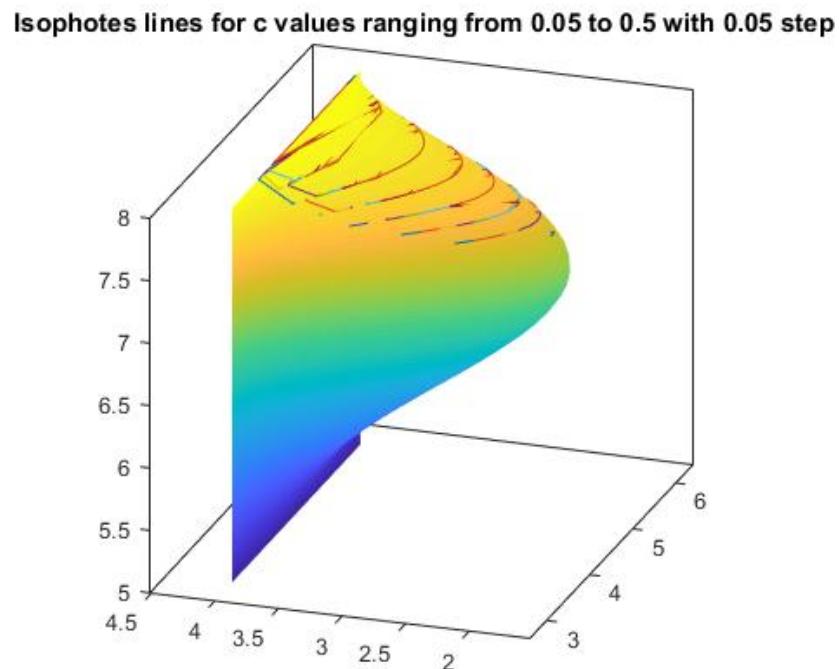


FIGURE 20 – Isophotes pour $L = [0 -5 -6]/\text{norm}(L)$.

4 Plots de Courbures

4.1 Surface 1

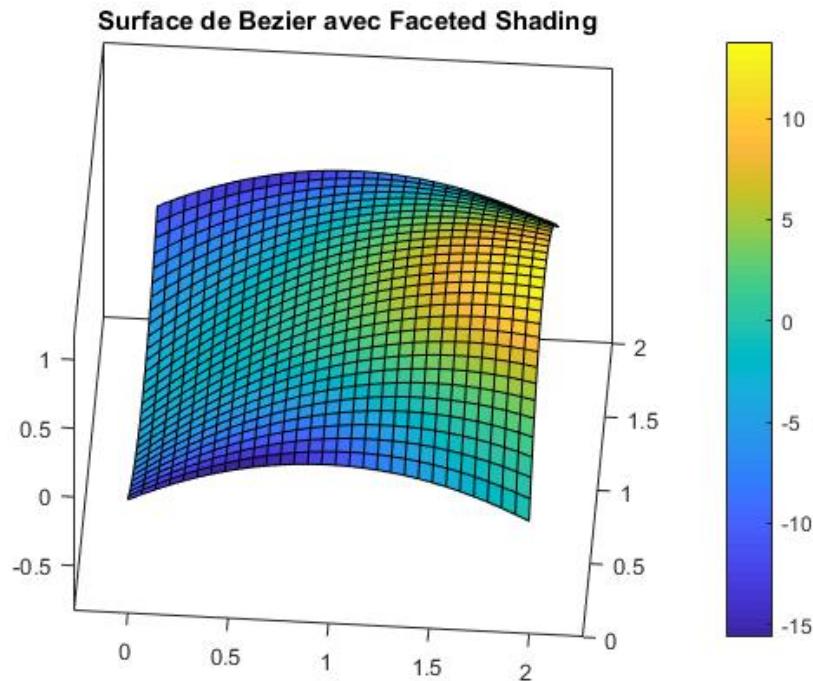


FIGURE 21 – Curvature plot.

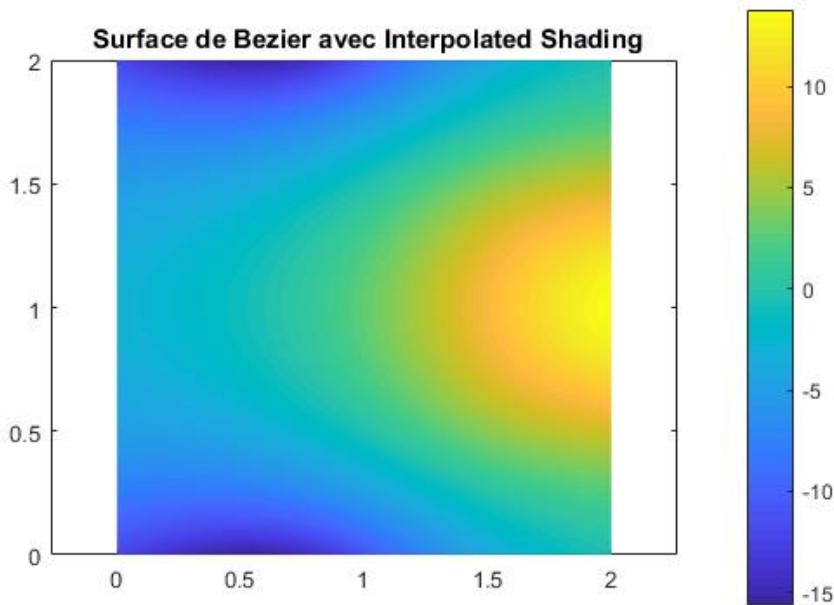


FIGURE 22 – Curvature plot.

4.2 Surface 2

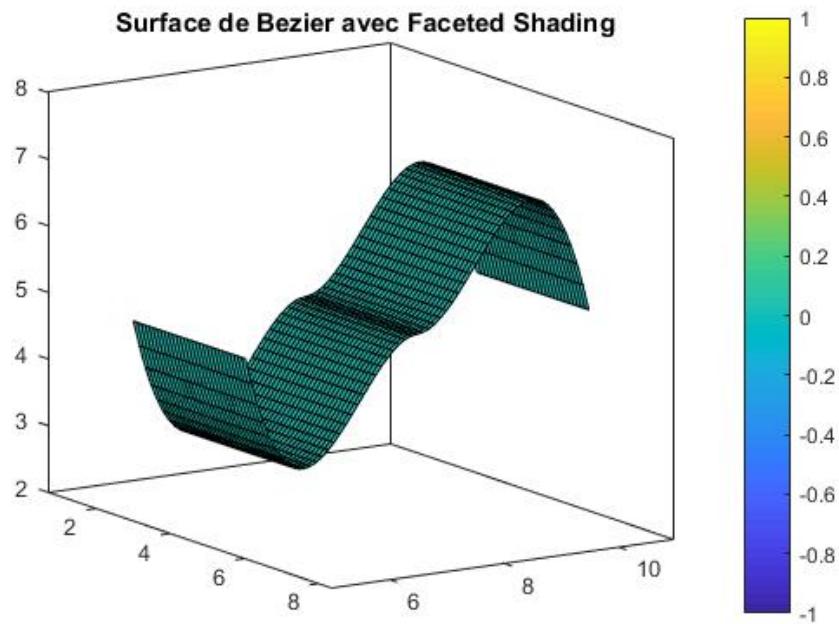


FIGURE 23 – Curvature plot.

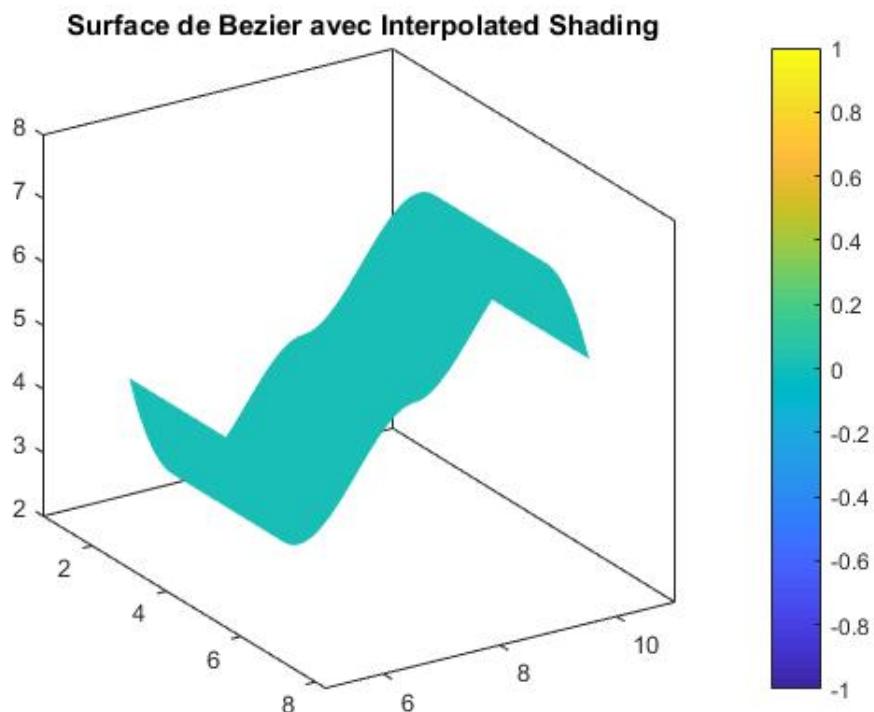


FIGURE 24 – Curvature plot.

4.3 Surface 3

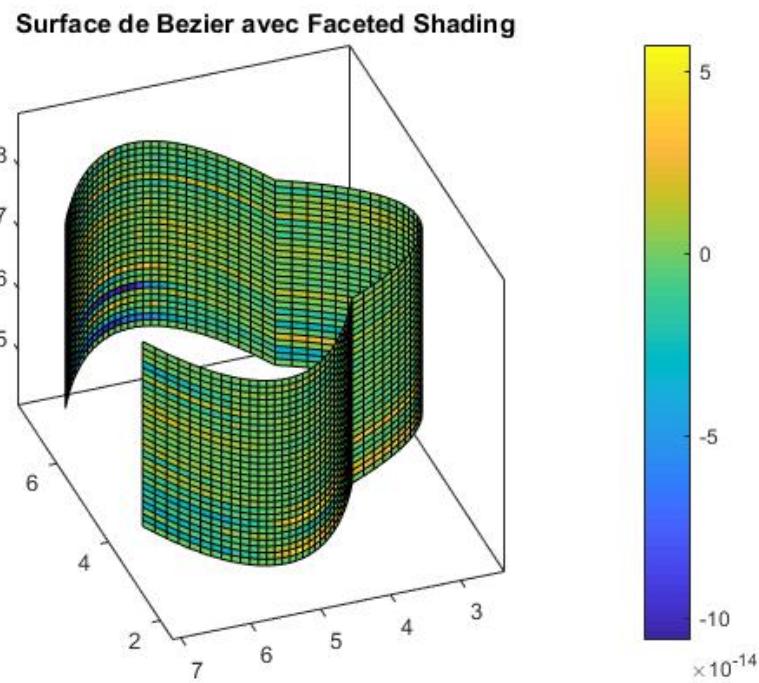


FIGURE 25 – Curvature plot.

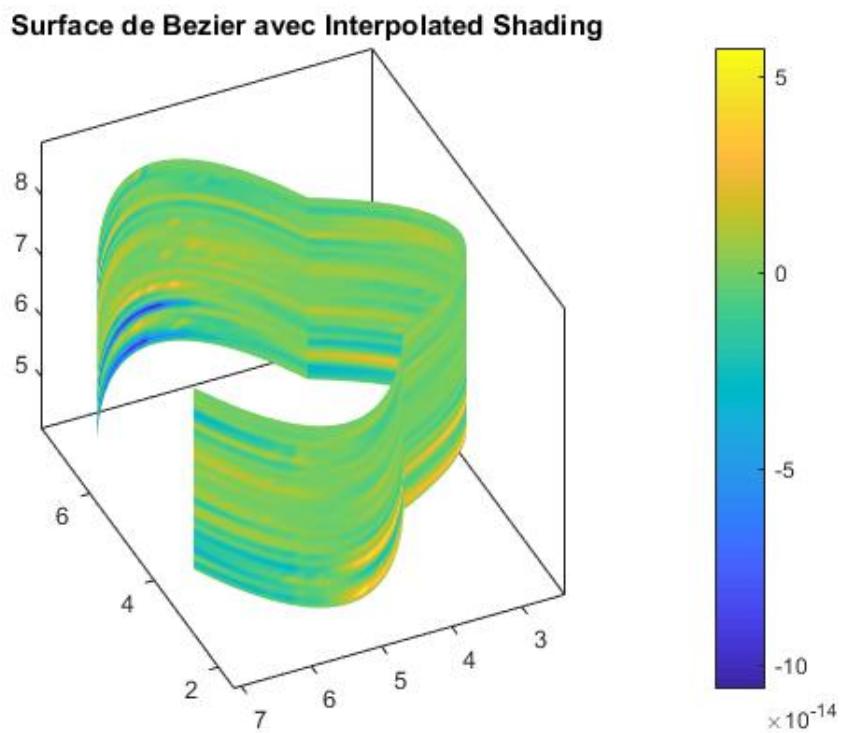


FIGURE 26 – Curvature plot.

4.4 Surface 4

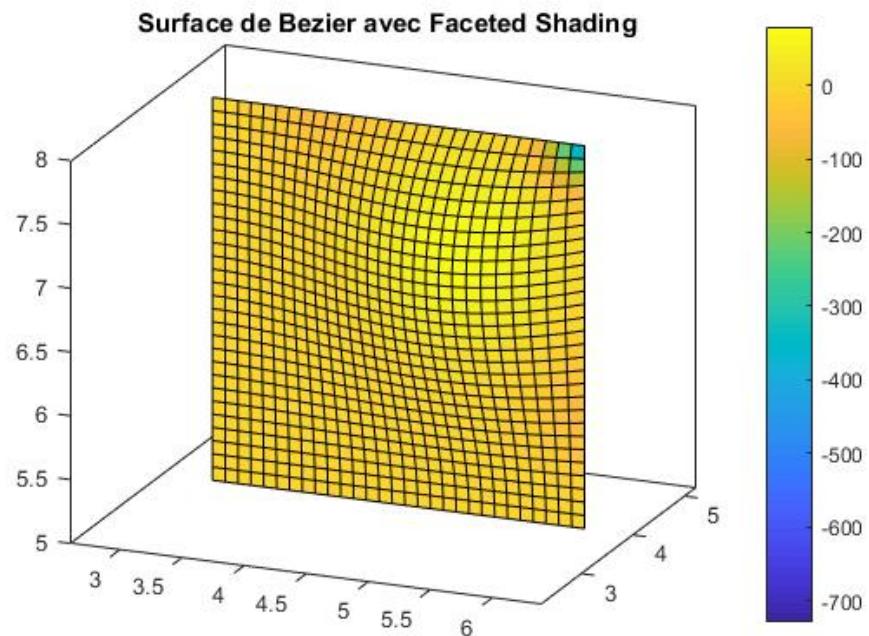


FIGURE 27 – Curvature plot.

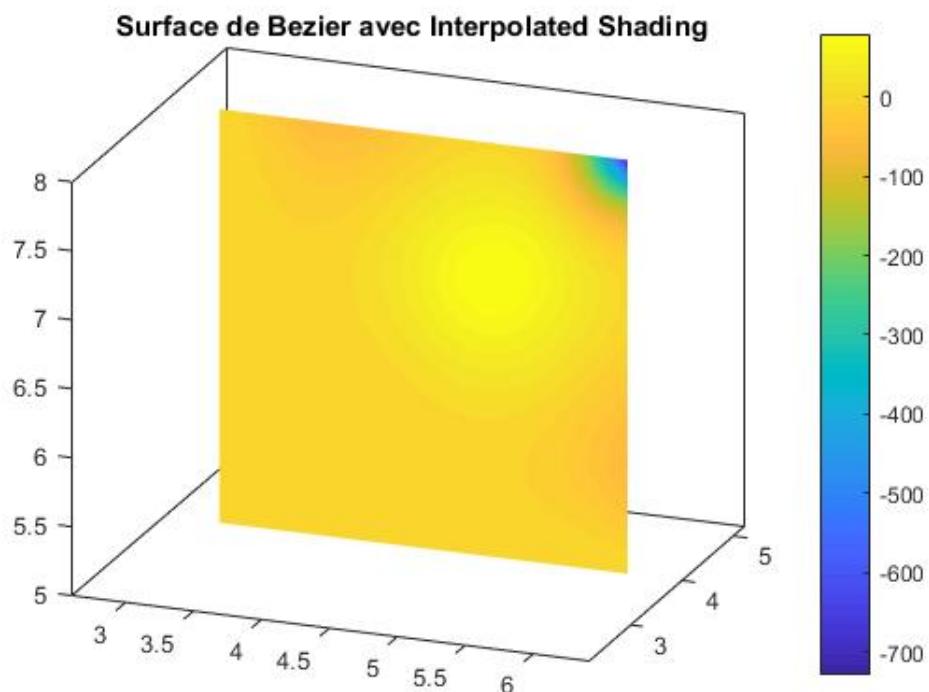


FIGURE 28 – Curvature plot.