# CAD/CAE Systems Homework 3 

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## Exercize 3

Please take the code bitmap_terrain.m that computes the projection of terrain by using two dimensional B-splines basis functions.
Running this code on the bitmap representing terrain height (white=low, black=high) gives the 3D terrain map
bitmap_terrain(precision,"Terrain0.png",nx,p,nx,p)
here precision $=2(n x+p)+1$
You can use it as bitmap_terrain(129,"Terrain0.png",62,2,62,2)
Where $n x$ is number of intervals in the knot vector and $p$ is the B-spline order
Please prepare the bitmap (like Terrain0.png) that represents the map of the area where you live in your country, and use the code to plo the 3D map
Please send me the bitmap and the plot from the MATLAB


