

## Systemy CAD/CAE

## Zadanie 2.

# Mikołaj Wielgos

**24.10.2023**

## Parametry funkcji

```
knot_vectorx = [0 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 32];
```

```
knot_vector = [0 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 32];
```

[illegible]

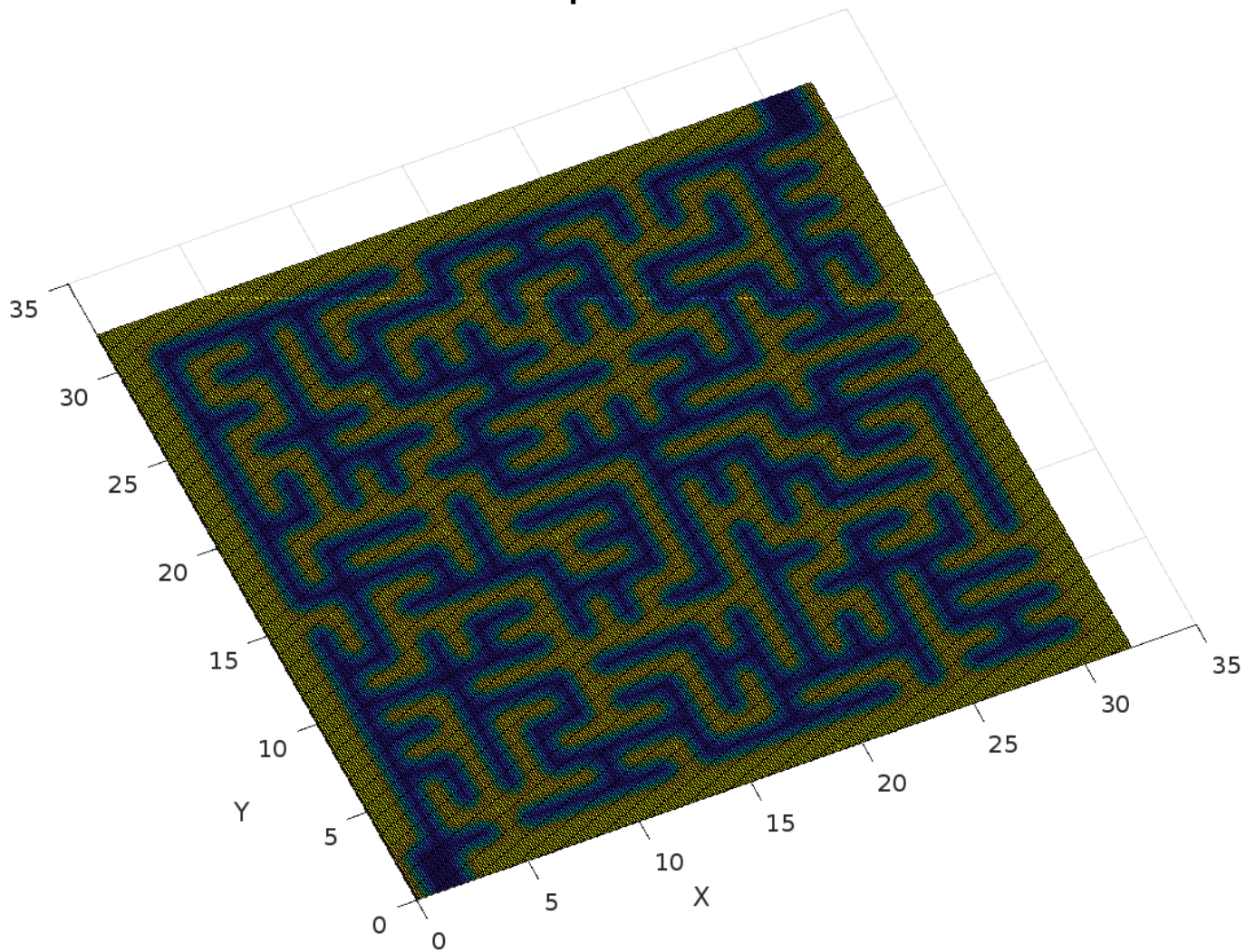
### Zmiany w funkcji wyliczającej

```
% ..Other code

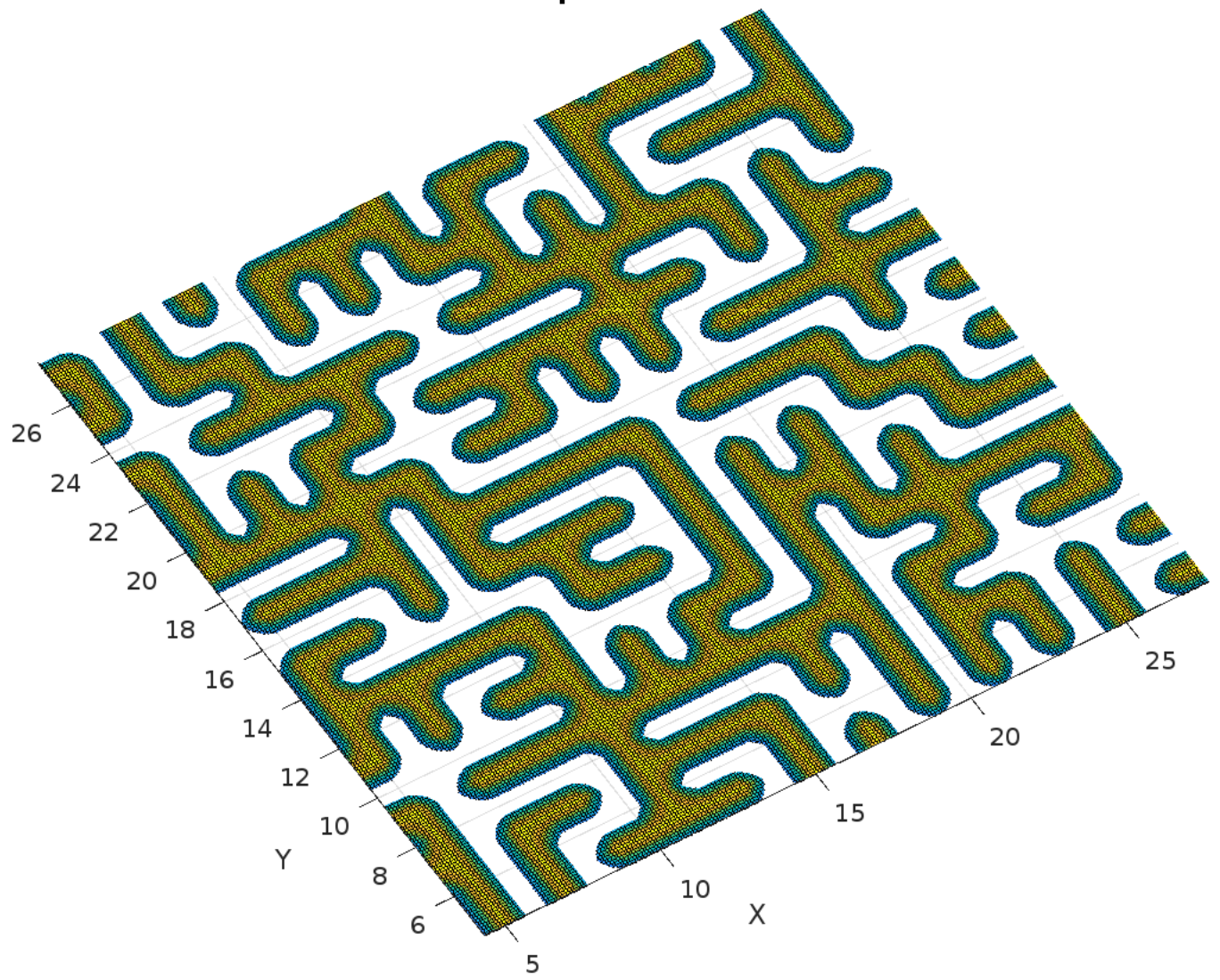
% Compute the coefficient matrix M
for i = 1:nrx
    for j = 1:nry
        spline1 = compute_spline(knot_vectorx, px, i, X) .*
compute_spline(knot_vector, py, j, Y);
        M = M + weight_matrix(i, j) * spline1;
    end
end

% Other code..
```

**3D Spline Surface**



3D Spline Surface





3D Spline Surface

