Sprawozdanie z wykonania Zadania 2

Krzysztof Gołuchowski

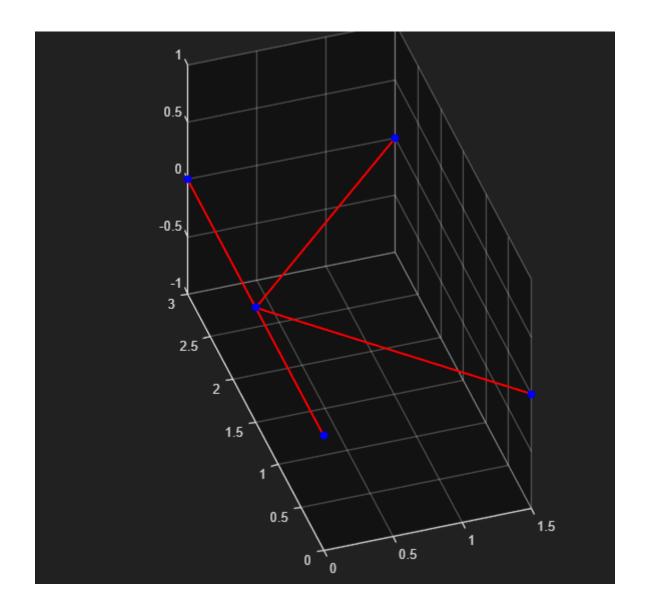
Zmodyfikowany fragment kodu

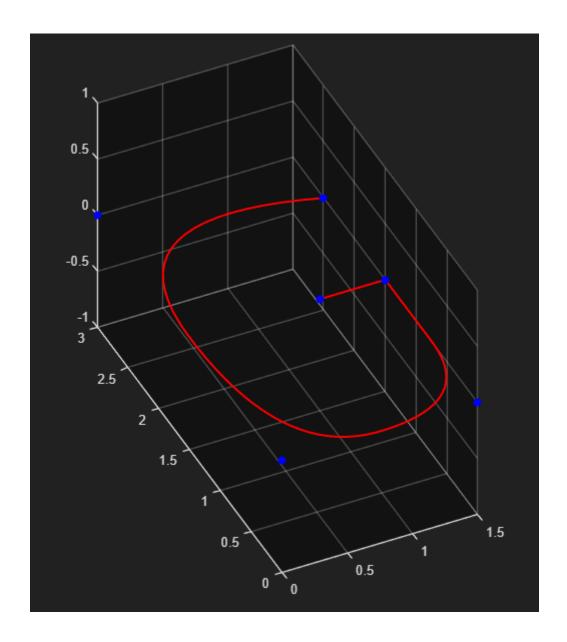
```
% oczekujemy teraz 3 kolumn (x,y,z)
if (n ~= nr || m ~= 3)
    disp("Poorly constructed points array - expected N x 3");
    return
end
x_begin = knot_vector(1);
x_end = knot_vector(size(knot_vector, 2));
x = mesh(x_begin, x_end);
res_x = zeros(1, numel(x));
res_y = zeros(1, numel(x));
res_z = zeros(1, numel(x)); % nowa składowa Z
for ind = 1:nr
    spline = compute_spline(knot_vector, p, ind, x);
    fprintf('\n');
    res_x = res_x + (spline .* points(ind, 1));
    res_y = res_y + (spline .* points(ind, 2));
    res_z = res_z + (spline .* points(ind, 3)); % Z
```

Wywołanie:

G:

```
bspline_curve3D(100, [0 0 0 1 2 3 4 5 5 5], [
    1.5 0;
    1.5 1.5 0;
    1.5 0;
    1.5 0;
    0 0;
    0 3 0;
    1.5 2.5 0
])
```





Wynik działania kodu z Pythonie:

