3D Graphics.

The objectives of the task: Strengthen the skills of construction 3d graphs.

Task Requirements: Plot the given system of equations.

Instructions for performing:

Plot the given system of equations.

$$\begin{cases} x = \cos(u) \cdot u \cdot \left(1 + \cos\frac{(v)}{2}\right); \\ y = \frac{u}{2} \cdot \sin(v); \\ z = (\sin(u) \cdot u) \cdot \left(1 + \cos\frac{(v)}{2}\right). \end{cases}$$

with the command **plot3d2**.

Variants of tasks.

You need to create a script file with the function f(x) and to obtain a graph, then you need to do a scan the graph and send me the script file and the scan of graph.

Criteria for evaluation:

Plotting without errors - 2 points.

Available Comments - 0.5 points.

The presence of axis and graph labels - 0.5 points.

Maximum evaluation are 3 points