// Course: CS 805

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// Programming language: Java

// Assignment 3: Volume Rendering

Camera from front to back (face to afterbrain)



 $VRP = \{ 54, -180, 64 \}$

 $VPN = \{ 0, 1, 0 \}$

 $VUP = \{ 0, 0, 1 \}$

Light = $\{1, 0, 0\}$

Camera from right to left (right face)



$$VPN = \{ -1, 0, 0 \}$$

$$VUP = \{ 0, 0, 1 \}$$

Light =
$$\{-1, 0, 0\}$$

Camera from top to bottom (head to neck)

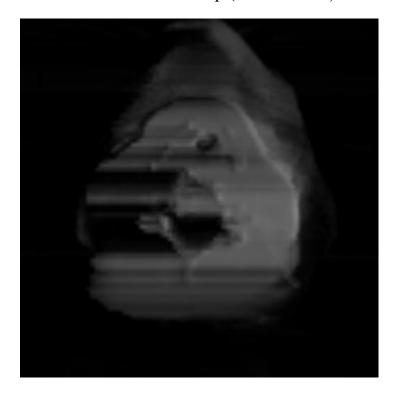


$$VPN = \{ 0, 0, 1 \}$$

$$VUP = \{ 0, -1, 0 \}$$

Light =
$$\{1, 0, 0\}$$

Camera from bottom to top (neck to head)



VRP = { 54, 64, 235 }

 $VPN = \{ 0, 0, -1 \}$

 $VUP = \{ 0, 1, 0 \}$

Light = $\{1, 0, 0\}$