furry logic -Fano: 9 pati The aim of implementing furry logic for Am: edge deketion is to enhance the Robustness and rumany of edge deterhan in images by handling uncutainities in pixel intensity. Procedure for furry logic edge Step-1: 3lt up the environment 1. open rearlab! ensure you have access to reallab with the image processing toolbox & furry logic Trolbox installed 3tep-2: Import and convert image to Graysale. 1. Read the RGF Image 2. convert to lucayseale. Sty-3: convert image to doble precision data. 1. convert double. Sty-4: Obtain in egy gradient 1. Défine Gradient gillers 2. calculate Gradients 3. plot image gradients

3(Ep - 5: Define furry inference system (\$13) for edge detection 1. cuate FIS 2. Add inputs 3. Define Hembership function for input 4. add output 5. Define Memborship function for output 6. plat Membership function Step-6: Specify #13 lules 1. add rules for FIS SEp-7: Evaluate F18 1. Evaluate edge detection Step-8: plet results 1. plat original Grayscale Imag. 2. plat detected edgel OP: Result! The program was successfully executed and the ofp is verified.