Conversion of RGB encoding to HSI encoding.

RGB (175, 55, 190);

procedure RGBHoHSI (RGB (175, 55, 190), HSI (H, S, I)){

I = max(175,55,190) ; I = 190; min = min(175,55,190) ; min = 55;

I > 0.0;  $S_0$ , S = (190 - 55)/190= 0.715

Diff= 190-55 = 135)

(b=I) So, H = (4\*7/3)+7/3\*(175-55)/135; 1/7 = 180;

= 240+60\*0.888;

= 293.333;

(HS,) (293.333, 0.715, 190);