Predocolor Image processing

-s an the field of distract Image procentry,, color image procening it an important technore

-) There are two main categories of formations (clos image processing -

- full color procening

Mendo Color image procening (fabre color) - involves amigning different colors to different internity snage of the March & white Image. By amigninginal different Colors to different internity value, it be comes carire to different internity value.

* methods of Psecido Color Image Moleming

| 11/ Internity Slicing
| 38) Internity Color transform

Dinterrity Slicing _ If a different color it anign to each side of plane, any fixel whose Interrity lexel is above the plane well be coded with

Blue, as semed by three Suffect different Colors of one color, and any pixel below the plane well money · In general the technique may be Summerspery · Let [0,14] orepresents the garay scale, let lo oreproset sero black [floris)-0] Level les sreprents White [forig) = 1-1] · Suppose that P planes perpendicular to the intentity axis are elephned at levels 1,1/2 - fp. Then, anumy that ORPKLI, the P planes partitions the gray Scale into pr Intervals color anignment au made Intervity to if J(xig) GYK according to grelation foxy) = CK ie et pr

y (olor Blue 3) Intervity to loter Transformation The Edea undelying this approach is to perform thous independent transformation on the Interrity of any imput pixel. Thus thrue results are then fed separately hato the sted, wreen and lake channels of Color monitor. This method buduces a composite image whose color contest is modulated by the nature of transportation functions.

