MRESULT HYIQ\_RESULT(MHandle hHandle,HYIQ\_PTOutParam ptOutParam,PCustomParam customp,pHYIQ\_result result)

函数中第三个参数判别用户是否输入判别阈值，如果用户没有输入，则使用默认值，如果用户输入了，则采用用户设置的值

PCustomParam 结构体定义

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| typedef struct  {  struct  {  MFloat ClearLevellowthresh;/// if blur level is less than this threshhold,the image is not blur  MFloat ClearLevelhighthresh;///if blur level is larger than ClearLevellowthresh,but less than this ,the image is a blurred;  }ClearLevel;  struct  {  MFloat NoiseLevellowthresh;/// if blur level is less than this threshhold,the image is not too noise  MFloat Noiselevelhighthresh;///if blur level is larger than ClearLevellowthresh,but less than this ,the image is a noise;  }Noiselevel;  struct  {  MFloat darkthresh; ///when small than this thresh,the image is too dark  MFloat lightthresh;/// when larger than this thresh the image is too light  }Light;  MFloat castRatioThresh;///when larger than this ratio,the image is cast;  }CustomParam,\*PCustomParam; |

阈值确定过程

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| /\* 模糊部分的阈值是根据matlab给清晰图像添加不同sigma的高斯模糊之后获得的。轻度模糊表示图像存在轻度模糊，不影响图像实际内容,中度模糊表示图像中存在较为明显的模糊，并且图像内容受影响，重度模糊表示图像存在明显模糊，图像内容受严重影响无法辨识\*/  if (customp->ClearLevel.ClearLevellowthresh==MNull)  {  customp->ClearLevel.ClearLevellowthresh=1.4;//2.5  }  if(customp->ClearLevel.ClearLevelhighthresh==MNull)  {  customp->ClearLevel.ClearLevelhighthresh=20;//5  }    /\* 噪声部分的阈值是根据matlab给清晰图像添加不同sigma的高斯噪声之后获得的。低度噪声是指存在噪声，但是噪声的存在不影响实际图像内容，中度噪声等级是指，存在噪声，并且较为明显。重度噪声等级是指，存在噪声，并且较为明显，会对后续检测有所影响。\*/  if (customp->Noiselevel.NoiseLevellowthresh==MNull)  {  customp->Noiselevel.NoiseLevellowthresh=3;  }  if(customp->Noiselevel.Noiselevelhighthresh==MNull)  {  customp->Noiselevel.Noiselevelhighthresh=20;//20  }  if((customp->castRatioThresh-eps)<0)  {  customp->castRatioThresh=50;  }  /\*亮度部分的阈值是根据实际数据测试所得。大于过亮阈值代表图像过亮，小于过暗阈值则代表图像过暗\*/  if((customp->Light.darkthresh-eps)<0)  {  customp->Light.darkthresh=-0.5;//-0.5  }  if((customp->Light.lightthresh-eps)<0)  {  customp->Light.lightthresh=0.5;//0.5  } |