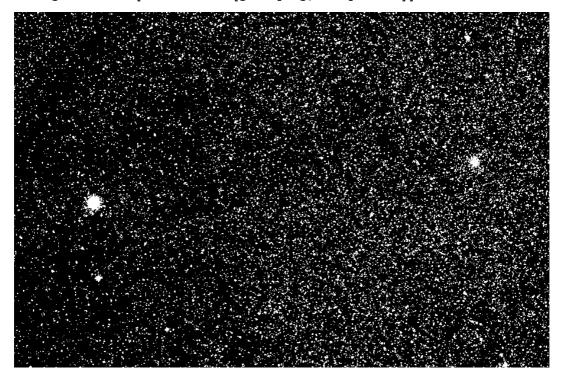
grainyImg =



(*
1. Convert the image to grayscale;
2. Create a binary image with ones and zeros
*)

binImg = Binarize[ColorConvert[grainyImg, "Grayscale"]]



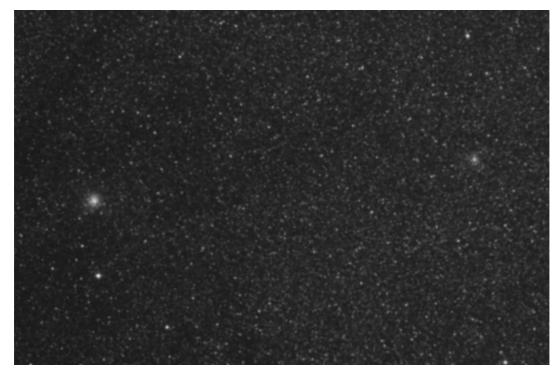
(* ho many pixels are black? *)

Count[Flatten[ImageData[binImg]], 1]

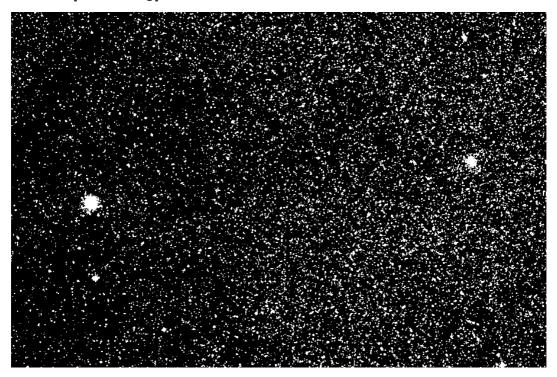
59138

(* Repeat the procedure by bluring the image *)

blurredImg = ColorConvert[Blur[grainyImg, 3], "Grayscale"]

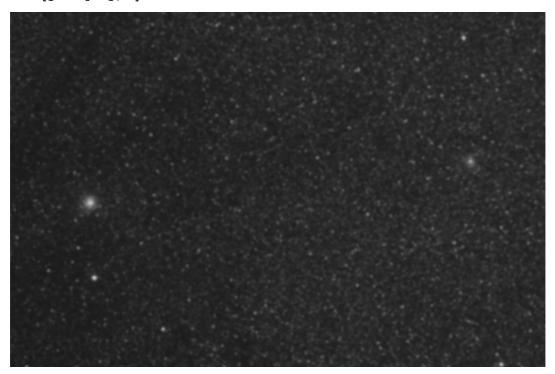


Binarize[blurredImg]



Count[Flatten[ImageData[Binarize[blurredImg]]], 1] 112342

Blur[grainyImg, 4]

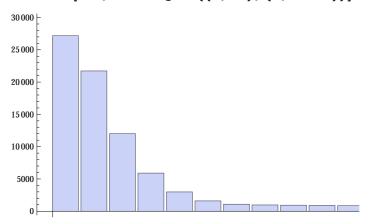


```
Binarize[
ColorConvert[Blur[grainyImg, 4], "Grayscale"], 0.3
```



```
lst = Table[
   Count[
    Flatten[
        ImageData[
        Binarize[
        ColorConvert[Blur[grainyImg, n], "Grayscale"], 0.3
        ]
        ]
        ], 1], {n, 0, 10, 1}
]
{27177, 21725, 12009, 5905, 2988, 1599, 1090, 971, 937, 901, 854}
```

BarChart[lst, PlotRange \rightarrow {{0, 11}, {0, 30000}}]



$\texttt{ListLinePlot[lst, PlotRange} \rightarrow \texttt{Automatic]}$

