

---

Subject: How to create synthetic images of stars with gaussian psf in IDL.

Posted by [Sonu Tabitha](#) on Mon, 04 Apr 2016 07:43:25 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I want to create a synthetic image to resemble a stellar field (say covering an area of 255 by 255 pixels, with a total of about 4 stars having Gaussian PSF). The rest of the image has to be filled with constant background and noise, as present in the entire image, but devoid of stars. I want to create this to test a source extraction algorithm that I have developed. I am a beginner in IDL. Can you please help me out in coding?

---