

Re: Magnification needed to split tight doubles

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- *From:* Dan McKenna <mckenna@xxxxxxxxxxxxxxxx>
 - *Date:* Thu, 29 Jun 2006 16:38:45 -0700
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Ioannis wrote:

"Dan McKenna" <mckenna@xxxxxxxxxxxxxxxx> wrote in message
news:44A4532F.80185A86@xxxxxxxxxxxxxxxx

It all depends on how good your eyes are.
Ras Al ~3.6" at 31X produces an apparent separation
to your eye of 111 " or 1.85' The normal "young eye"
IIRC can separate about 2'.
It seems you have good eyes.
I would need about 60X to see the split.

Thanks. Just to clarify a couple of things: How does one qualify
"technically" (maybe "medically") this ability?

For example, why does the eye fail to perceive two different stars of
separation, say, less than 2' on the retina? Is it a cone/rod packing issue?

I.e., the two star images would need to fall onto separate cones/rods to be
perceived?

Doesn't that imply that the actual angular separation of any two cones/rods
is around 2' with the full eye measuring 360 degrees?

d.

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Ioannis

I looked up resolution of the eye on the web and found lots of stuff.

Re: Magnification needed to split tight doubles

For me it seems like its my optics (eye).

If I put on glasses I can see most of the stars I could see 40 years ago.

d.

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