

Re: so called new approach to design doublet APOs. ;>)

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From: Mook (markolsen_at_eunu.net)

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Date: Sun, 21 Nov 2004 01:39:56 -0600

Aaaaaaah Soo! Charlie Chan was right!

Mark

Tom Davis wrote:

> "ValeryD" <aries@mercury.kherson.ua> wrote in message
> news:5c4a4ee7.0411200016.17aa60dd@posting.google.com...
> > Dear Mr. Back,
> >
> > Sure, your self-confidence has no limits. And as one, well known
> > in optical design and manufacturing, person said, someday your head
> > will explode due to your unlimited self-confidence.
> >
> > I should mention specially for your instance, that ARIES 7" F/8
> > Fluorite
> > objective you saw at one StarParty (AstroFest?) which was with
> > cracked fluorite element has the design, which is essentially the same,
> > as you called "truly a new level of performance in the fluorite
> > and ED doublet market". Also, I should to note, that these ARIES
> > objectives were designed and made about 7 years ago. The largest one
> > was 12" F/9. And right now we making tubes for a serie of 6 such 7"
> > F/8
> > Fluorite doublets.
> > It will be useful to note also, that these doublets has color
> > correction,
> > that in 430nm-656nm range, is same good as LZOS made TMB 6" F/8 Super
> > SD TRIPLET. And, of course, such objectives has better contrast, that
> > these
> > triplets (include 175mm ones) because they have two surfaces less,
> > shorter
> > lightpass in the glasses. These doublets also have significantly
> > shorter
> > colldown time. Objectives have lesser mass and a telescope has better
> > balance.
> >

sci.astro.amateur: Re: so called new approach to design doublet APOs. ;>)

> > *Of course, I am not a first person, who know this approach to APO*
> > *doublets*
> > *design and manufacturing. So, this approach to design can't be called*
> > *as*
> > *"truly new level". Please, note this specially for yourself.*
> >
> >
> > **VD**
>
> *Valery,*
>
> *I think a bit of clarification is needed here. This lens is not a TMB*
> *design,*
> *it is one of the Chinese manufacturer. What is amazing here is that they*
> *are doing this to a high quality level at such a low price. In this*
> *respect,*
> *it is a truly new level, as it brings high performance optics down to a*
> *price point many more will be able to afford. This is the sort of thing*
> *you have attempted to accomplish with the Chromacor.*
>
> *What this scope represents is the first true APO design from China. I*
> *own an Orion 80ED along with the new Burgess fluorite, and have*
> *done enough side-by-side comparison of these two scopes to know*
> *the fluorite is better corrected in every way. I can detect zero color*
> *on this scope on any object in-focus, and only the barest traces of*
> *color in the rings outside of focus on Sirius, and that is so subtle as*
> *to be almost non-existent. Besides that, the star images are clearly*
> *tighter than the 80ED, and contrast is noticeably better as well.*
> *It takes Chinese optics to the next level.*
>
> *I've seen way too many personal attacks between optical manufacturers*
> *of late. As I had experienced with the Chromacor, I have been taking*
> *the brunt of the bashing over this product as well. I have been willing*
> *to do so because I believe it is a product that others will really be*
> *pleased*
> *to own an use, and I wanted its merits to become known before others*
> *managed to make it disappear, or worse yet, someone like Meade or*
> *Orion snatched it up and charged twice the price for it.*
>
> *As for your designs and their capabilities, I have a great deal of respect*
> *for them. I have no doubts you came up with a similar design well before*
> *this. Again, the real point to this is that other than high-end optical*
> *manufacturers like yourself or Roland (who has also come up with some*
> *fine doublet designs in the past), none of the more common manufacturers*
> *are using this type of design. To make this design available at such a*
> *low price point is the real innovation here. I applaud Bill and Thomas for*
> *passing the cost savings on to the rest of us rather than profit gouging*
> *as is the common practice in business today (in general, forget optics*
> *here).*
>
> *Thanks, Tom Davis*

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