

Re: Why no other "Petzval" apos?

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RichA <none@none.com> wrote in message news:<ln7nq0p6aa363ajn3986oo3toj77nlrr8u@4ax.com>...

- > *TeleVue has more or less been the only ones*
- > *using this for apos, with the other makers*
- > *doing only full size lenses and no sub-diameter*
- > *lenses. I think the only competition with the*
- > *kind of speed the TeleVue has is from Pentax.*
- > *Other than that, Tak has the FSQ and Vixen has*
- > *some scopes that are similar. But no one else*
- > *has come out with a long focal length primary,*
- > *sub-diameter corrector "secondary" lensed apo.*
- > *It seems like it might be more economical than*
- > *a full aperture triplet but I guess it depends*
- > *on the glass, mechanics as well.*
- > *-Rich*

Well Tak FSQ and Vixen DED scopes are both pretty fast. And mind you Tele Vue only uses the Petzval designs for the 101 and the 127; the rest of their scopes (AFAIK) use doublet designs.

My guess is that the design is in fact not cheaper than most triplet designs out there if for no other reason than the fact that you now have 8 optical surfaces to figure instead of 6. Further two of the optical elements are rather deep in the tube that will add additional challenges to mounting and aligning the lenses.

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Bill