Chapter 17
Speckle Interferometry for the Amateur
Corrections

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Turbulence

Page 212, first complete paragraph:
... Gaussian (equations of the form $\exp(-x^2)$ representation ...
should read
... Gaussian (equations of the form $\exp(-x^2)$) representation ...
Page 212, second complete paragraph:
Measuring r_0 requires determinations ...
should read
Measuring τ_0 requires determinations ...
Page 212, second complete paragraph:
... speckle astronomer, r_0 determination ...
should read
... speckle astronomer, τ_0 determination ...
Page 212, second complete paragraph:
... How r_0 affects the design and operation of an astrometric speckle system is described by Mason.[6]
should read
... How τ_0 affects the design and operation of an astrometric speckle system is addressed in the **Speckle Sensitivity** section, page 217.

Imaging Process in Brief

Page 214, starting partial paragraph:
... telescope (in this case about 0.03".
should read
... telescope (in this case about 0.03").

Speckle Sensitivity

Page 217, first paragraph in the section:
... alluded to above, r_0 strongly influences ...
should read
... alluded to above, τ_0 strongly influences ...
Page 218, caption to Figure 17.4:
... Adapted from Bagnuolo et al. ...
should read
... Adapted from Bagnuolo et al.[10] ...
Page 218, starting partial paragraph:
... binary star research, Hartkopf[11] finds ...
should read
... binary star research, Hartkopf (private communication) finds ...

Equipment Considerations

An Example System

Page 224, starting partial paragraph:
... scan line and 15 ìm pixels. ...
should read
... scan line and 15 μm pixels. ...
Page 224, starting partial paragraph:
... to be about 150 ì in size. ...
should read
... to be about 150 μm in size. ...

Appendix

References

Page 229, Reference 6:
Mason, B. D., 1994, 'Speckles and Shadow Bands', Ph.D. dissertation, Georgia State University, Atlanta.
should read
Mason, B. D., 1994, 'Speckles and Shadow Bands', Ph.D. dissertation, Georgia State University, Atlanta (http://pasp.phys.uvic.ca/content/contents 95 03.html#Maso).
Page 229, Reference 16:
Turner, N. H., Barry, D. J. and McAlister, H. A., 1992, *Astron. Soc. Pacific Conf. Series*, **32**, 577-9 (http://pasp.phys.uvic.ca/content/contents 95 03.html#Maso).
should read
Turner, N. H., Barry, D. J. and McAlister, H. A., 1992, *Astron. Soc. Pacific Conf. Series*, **32**, 577-9.