

Erratum: Doppler factors, Lorentz factors and viewing angles for quasars, BL Lacertae objects and radio galaxies

T. Hovatta¹, E. Valtaoja^{2,3}, M. Tornikoski¹, and A. Lähteenmäki¹

¹ Metsähovi Radio Observatory, TKK, Helsinki University of Technology, Metsähovintie 114, 02540 Kylmäla, Finland
 e-mail: tho@kurp.hut.fi

² Tuorla Observatory, University of Turku, Väisälantie 20, 21500 Piikkiö, Finland

³ Department of Physics and Astronomy, University of Turku, Vesilinnantie 5, 20100 Turku, Finland

Preprint online version: March 4, 2009

ABSTRACT

Aims. .

Methods. .

Results. .

Key words. Keywords should be given

We report an error in the apparent speed, Lorentz factor and viewing angle of the source 0923+392 (4C 39.25) in the paper Hovatta et al. 2009 (A&A, 494, 527). Due to the error in the original MOJAVE database, the apparent speed value of 0923+392 changes from $42.9c$ to $4.29c$. This affects the Lorentz factor and viewing angle of the source, and the new values are $\Gamma_{\text{var}} = 4.4$ and $\theta_{\text{var}} = 13.4$. The error does not affect any of our major conclusions, and as the source was excluded from most of the figures and statistics due to the extreme Lorentz factor, most of the figures remain the same. In Fig. 10 the source is shown in the top of the plot as an LPQ source, and it now shifts to coordinates $\log(T_b) = 12.6$ and $\beta_{\text{app}} = 4.3$. The corrected figure is shown in this erratum. Subsequently, parts in the discussion concerning the extremity of this source are obsolete.

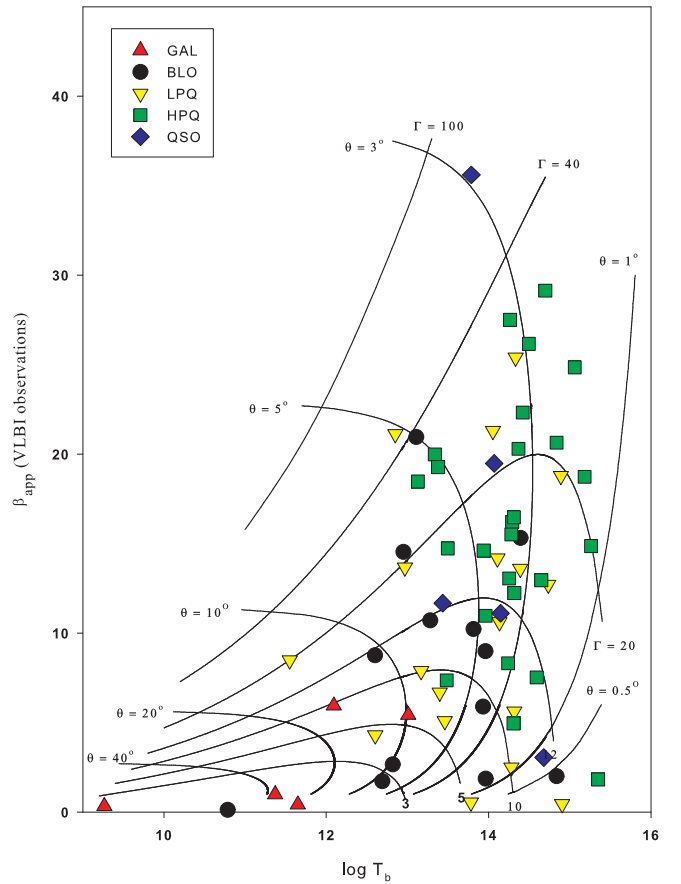


Fig. 1. Observable quantities β_{app} and $\log(T_{b,\text{var}})$ together with intrinsic parameters Γ_{var} and θ_{var} .