Corrigenda 813

## Corrigenda

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## Linear force-free magnetic fields and coronal models

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I am grateful to Dr N. Seehafer for drawing attention to the fact that the basis vector for writing linear force-free solutions in spherical geometry is the radius vector  $\mathbf{r}$  and not the unit radius vector  $\hat{\mathbf{r}}$ . In order to correct the results given in Section 3 of Durrant (1989), it suffices to replace the spherical Bessel functions  $j_l$ ,  $n_l$ ,  $h_l$  by  $rj_l$ ,  $rn_l$ ,  $rh_l$ . The only effect of this replacement is to change the radial dependence of  $B_\theta$  and  $B_\phi$  in the limit of large r to  $e^{i\alpha r}/r$ . Thus the total magnetic density for the exterior volume r > R is unbounded. This result is now consistent with the fact that the cartesian components of  $\mathbf{B}$  satisfy the Helmholtz equation.