



Corrigendum

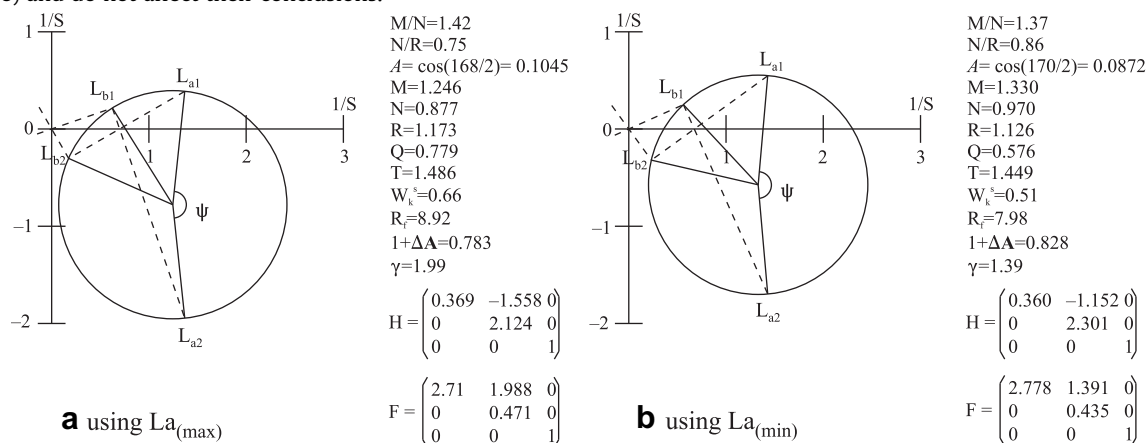
Corrigendum to: “Estimation of vorticity from fibrous calcite veins, central Maine, USA” [J Struct Geol 2006; 28(7):1167–1182]

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We wish to correct Fig. 11 in Short and Johnson (2006), in which parameters M , N , T , Q and R , derived from the construction of Mohr circles are incorrect for two reasons and have resulted in slightly incorrect values for R_f , $1 + \Delta A$, and γ . First, incorrect values for M , N , T , Q and R below the Mohr circles were accidentally copied to the final figure – they were initial measurements from the Mohr circle before the scale of the circle was determined using equation (15) in Passchier (1990). Second, and more importantly, the scaled parameters M , N , T , Q and R were calculated erroneously because of the lead author's omission of a minus sign on the left side of equation (15) in Passchier (1990), necessary for the calculation of parameters for the position gradient tensor of backward deformation (\mathbf{H}). The necessity of this minus sign is somewhat unclear from Passchier (1990) as explained in Kuiper and Jiang (2010), who also give a more thorough review of the Mohr circle construction method and a set of accurate equations. The correct Mohr circles and deformation parameters, calculated using equation (8) in Kuiper and Jiang (2010) are given below. The backward (\mathbf{H}) and forward ($\mathbf{F} = \mathbf{H}^{-1}$) position gradient tensors are included. Kuiper and Jiang (2010) also present two alternative analyses for Short and Johnson's (2006) data, using $L_{a(\max)}$.

We consider it important to correct the Mohr circle construction in Short and Johnson (2006) so that future constructions of this type will be based on accurate equations presented in Kuiper and Jiang (2010). The recalculated values for W_k s are however within error of those in Short and Johnson (2006). They are independent of the scale of the Mohr circle and because the position of the Mohr circle relative to the axes of the diagram was correct in Short and Johnson (2006) their values for W_k s were correct. The correct values for R_f and γ for the Mohr circles of Short and Johnson (2006) are only slightly different from the originally published values (+0.26, and +0.09, respectively, for the $L_{a(\max)}$ circle) and do not affect their conclusions.



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