## **On Some Quasiconvex Functions with Linear Growth**

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Abstract: We establish (i) that the quasiconvexification of the distance function to any closed (possibly unbounded) subset of the space of conformal matrices  $E_{\text{partial}}$  in  $M^{2\times 1}$  is bounded from below by the distance function itself, that is,  $Q \operatorname{peratorname} \{ \operatorname{dist} (\operatorname{cdot}, K) \ q c \operatorname{peratorname} \{ \operatorname{dist} \}$  ( $\operatorname{cdot}, K$ ), where c > 0 is a constant independent of K; (ii) some estimates of quasiconvexifications of the distance function to a closed subset of  $M^{2\times 1}$  which is `supported' by  $E_{\text{partial}}$ ; (iii)  $Q \operatorname{peratorname} \{ \operatorname{dist} \ (\operatorname{cdot}, K) = Q \operatorname{dist}^p(\operatorname{cdot}, Q_p(K))$  for any p = 1 and any closed  $K \operatorname{subset} M^{N\times 1}$  in  $S^{0} \operatorname{poeratorname} \{ \operatorname{dist} \ K \operatorname{subset} M^{2\times 1}$ .

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