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Erratum: Fitting a C^m -smooth function to data II

Charles Fefferman and Bo'az Klartag

A few small changes have to be made to the proof of Lemma 3 in Section 30, pages 139–140. The definition of P'_t in (52) in page 139 should include a factor of $\lambda^{-\parallel\gamma_t\parallel}$. That is, the correct definition should be

(52)
$$P'_t = \frac{(\alpha'_t)!}{(\alpha'_t + \gamma_t)!} \lambda^{-\|\gamma_t\|} x^{\gamma_t} \odot_0 \bar{P}_{\alpha'_t}.$$

Furthermore, we need to replace $\lambda^{\|\beta\|}$ by $\lambda^{\|\beta+\gamma_t\|}$ in (54), we need to replace $\lambda^{\|\alpha'_s\|}$ by $\lambda^{\|\alpha'_s+\gamma_s\|}$ in the definition of the matrix A and also in (57), and we need to replace $\lambda^{\|\alpha'_t\|}$ by $\lambda^{\|\alpha'_t+\gamma_t\|}$ in (58) and (59). The rest of the proof stays intact.

References

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CHARLES FEFFERMAN: Department of Mathematics, Princeton University, Fine Hall, Washington Road, Princeton, New Jersey 08544, USA. E-mail: cf@math.princeton.edu

BO'AZ KLARTAG: School of Mathematical Sciences, Tel-Aviv University, Tel-Aviv 69978 Israel.

E-mail: klartagb@post.tau.ac.il

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