

Correction to
**On the Basic Averaging Arguments
for Linear Codes***

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The statement after Lemma 3 should read as follows:

“It then follows from Chebyshev’s inequality that the fraction of codes C in \mathcal{C} for which

$$\left| |C^* \cap E| - \frac{1}{|\mathcal{C}|} \sum_{C \in \mathcal{C}} |C^* \cap E| \right| \geq \gamma \sqrt{q^{k-n} |E^*|}$$

is at most $(q - 1)/\gamma^2$.”

The error was detected by Sacha Barg, who also pointed out that a result essentially equivalent to Lemma 3 was given earlier by Blinovskii [1].

- [1] V. M. Blinovskii, “Lower asymptotic bound on the number of linear code words in a sphere of given radius in F_q^n ”, *Probl. Info. Trans.*, vol. 23, no. 2, pp. 130-132, 1987.

*H.-A. Loeliger, “On the basic averaging arguments for linear codes”, in *Communications and Cryptography: Two Sides of One Tapestry*, (festschrift in honor of James L. Massey on the occasion of his 60th birthday), R. E. Blahut et al., Eds., Kluwer, 1994, pp. 251–261.