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Sergey Yekhanin* (yekhanin@microsoft.com). *On the locality of codeword symbols.*

Consider a linear systematic code C . We say that the i -th coordinate of C has locality r ; if the value at this coordinate can be recovered from accessing some other r coordinates of C . Data storage applications require codes with small redundancy, low locality for information coordinates, and high erasure correction capabilities. In this talk I will survey a line of work studying the relations between these parameters.

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