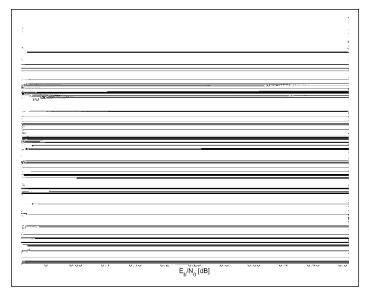
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Postmaster:  $n \mid \dots \mid c \mid n$   $n \mid \dots \mid n$   $y \mid c \mid y$   $u \mid \dots \mid n$   $u \mid n \mid n \mid n \mid n$   $u \mid \dots \mid n \mid n \mid n \mid n \mid n$   $u \mid \dots \mid y \mid c \mid n \mid n \mid n \mid n$  $u \mid \dots \mid y \mid c \mid n \mid n \mid n \mid n$ 

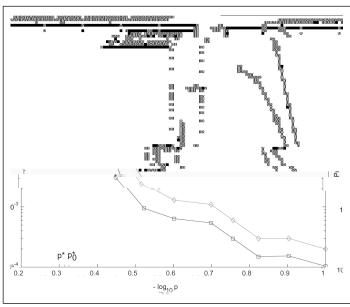
$$\chi \quad (\epsilon \ p) = = \bullet^{\bullet (< \epsilon^{\bar{\bullet}})}$$

Proof:  $q4 + q_1 + q_2 + q_3 + q_4 + q_4$ 

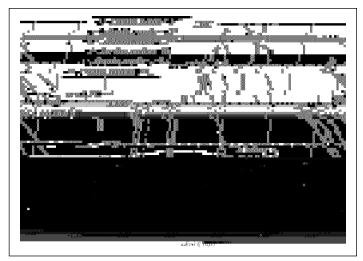


$$\chi (\epsilon p) = \Phi(\sqrt{\frac{\epsilon}{\epsilon}})$$

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#### 3. Beyond SBIC's.

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- $\bullet$  , n , n , y
- M . . . . . .
- $\bullet$ ,  $n_{\bullet}M_{\bullet}$ .  $y_{\bullet}$ .
- . c.

#### 4. Nonsymmetric Channels.

 $c \mid w, n \mid x_1, \dots, c \mid nn, y_1, \dots \mid x_n, y_n \mid x_n, y$ 

#### 5. An Old Theorem of Gallager.

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y A L

March, 2001.

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#### Shannon's juggling theorem

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#### Ne Boo

Adaptive Antennas for Wireless Communications,

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Software Radio Technologies: Selected Readings,

y = M, 1 = 1, 1, n = 1

ly n n

Voice Compression and Communications,

yn, y B.,  $\ln (c_1, c_2, c_3, c_4, n_1)$  ,  $\ln (c_1, c_2, c_3, c_4, n_4)$ 

Introduction to 3G Mobile Communications,

$$y = 1, \qquad n, n, A, c = 0 = 0$$

$$x = 2x = 2x = 0$$

 $y = \frac{y}{n} = \frac{1}{n} = \frac{1}{n} = \frac{n}{x}$   $= \frac{1}{n} = \frac{1}{n}$ 

Wireless Communication Technologies: New Multimedia Systems,

$$y, y, y, z = M, n! \cdot y, n \cdot n \cdot n, c,$$

$$1. \quad y, y, z = B, z = zz = zz = zz$$

Nonuniform Sampling: Theory and Practice,

$$y \mid ... \quad M \mid .. \mid ... \quad ... = ... \quad B$$

Numbers, Information and Complexity,

$$y = n$$
 A  $y = n$  1, ...,  $n$  ... c L. n  $y = n$  ...  $y = n$  ...

The Mobile Communications Handbook, 2nd Ed.,

$$y, y, y, \dots, n, \dots, \dots \longrightarrow z = \underbrace{\qquad }_{1-z_0} 1 - \underbrace{\qquad }_{1-z_0} 1$$

The Telecommunications Handbook,

$$y = y = \frac{y}{1 - \frac{1}{2}} = \frac{1 \cdot 1 \cdot 1 \cdot 1}{1 \cdot 1 \cdot 1 \cdot 1} = \frac{y}{1 \cdot$$

Hargrave's Communications Dictionary,

Intelligent Signal Processing,

$$y = \frac{1}{2} \frac{y}{a} + \frac{1}{2$$

A Field Guide to Dynamical Recurrent Networks,

$$y = n$$
,  $n = 1$ ,  $n$ 

Cable Modems: Technologies and Applications,

Wireless Video Communications: Second- and Third-Generation Systems and Beyond,

WCDMA for UMTS: Radio Access for Third Generation Mobile Communications, Revised Edition,

$$y = 1$$
,  $y = 1$ ,  $y$ 

UMTS Mobile Communications for the Future,

CDMA: Access and Switching: For Terrestrial and Satellite Networks

$$y = 1 \qquad y =$$

Wireless Video Communications: Second to Third Generation and Beyond,

$$y \text{ Li.} \quad \text{in} \quad \text{in} \quad \text{in} \quad \text{i.} \quad$$

Principle of Mobile Communication, 2nd Ed.,

$$y = nL, \qquad y = 22 + 1$$

$$-B, \quad z=-2 + 1$$

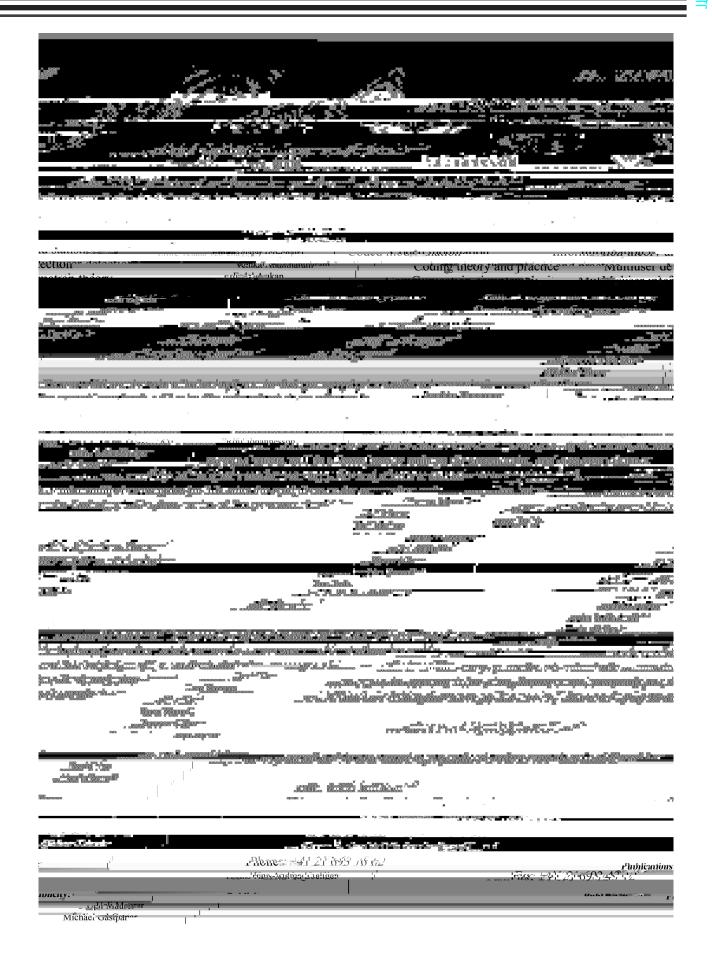
Turbo Codes: Principles and Applications,

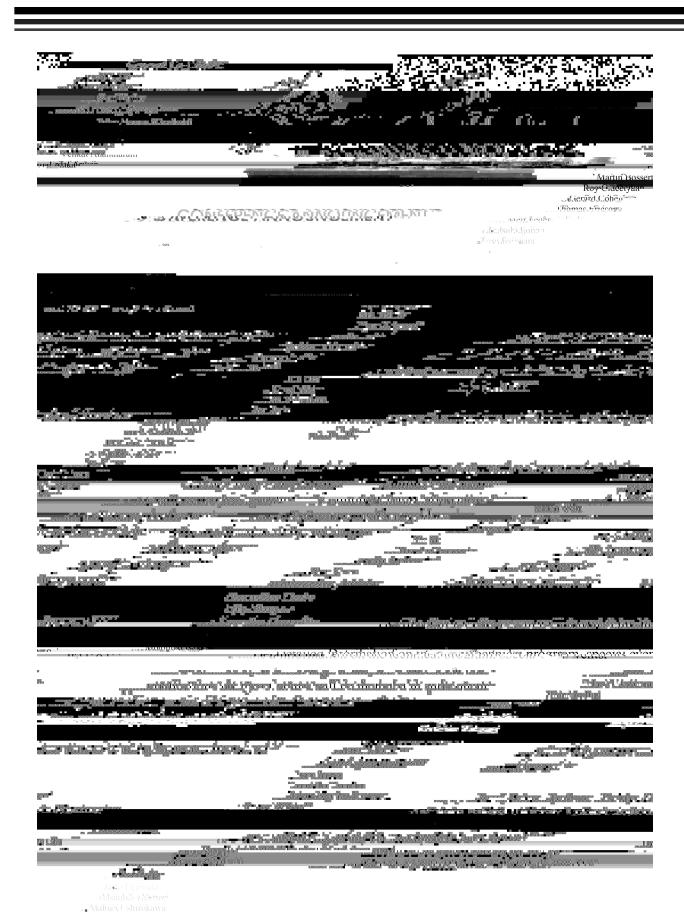
$$y B(|n|) \cdot c_{\gamma} c|n_{\gamma} \cdot n_{\gamma} \cdot n_{\gamma} \cdot n_{\gamma} \cdot n_{\gamma} \cdot n_{\gamma} = 0$$

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Mosumiro\* i awagisub. Nobukazu Doi Sihinichi kawamma\*\*

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