

English Text over Erasure Channel

10% erasures:

A_ she said_this she l_oked down at her han_s, _nd was surpris_d to _ee
hat she had put on one of th Rabbit's _ittle white _id_gloves wh_le
she was talking._'How CAN I have done that?'_she_th__ght. '_m_st
be growing small again.' She got up and _ent to the table to measure
hersel_ by it,_a_d_fo_nd that,_as n_arly as she could gu___, ___e was now

20% erasures:

a_out _wo fe__ high,_an_ _as_go__g _n__h__nking rapid__: she _oon found
out that t_e _ause of this was the fa_ she_wa_ holding, _nd__he dropp_d
it has_ily,_just i_ t__e to_avoid shrinking away altog_ther.

'That__AS a narrow es_ape!' said ___ce,_a good deal _righ__ned at _h_
s_dde_ change,_but very glad_to _in_ ___rsel_ s_ill_in existence; '_nd

English Text over Erasure Channel

30% erasures:

n__ __r th__gard_n!'__nd _he_r__ wit__ll _p_e_ __c__to _he_li_tl_ door:
u, _l__! the litt_e doo_w_s__hut __ain, a__t_e_li__l_g_lde_ key was
lying on t_e _l_ss_t_ble__s be_ore, 'and _hing_ are wor_e th_n _v_r,'
t_ought_t__po_r child, 'f_r_I neve_ __s _o __ll_as th__be_o_e, _e_e_!
And I_dec_are i_'__t__ bad,_tha__t is!'

40% erasures:

_s __e_s__t_es__w_rds h__ __oot_sli_ped, and_in_ano_her __ent,__as__!
she wa_up__ __e_c_in in _alt water. _e_ first _d_a _as t_at s__
had__eh__fal_e_int__t__ __a,'__nd i_ th__ __ase_I_can go_ba_k_by
r_il_ay,'__he s_i_ to_her_e__. (Alice had __e_ to_the se__d__nc__in
__r_li__, an_h__c_me_t_ th_gener__ __cl__, __a__her__e__ou__

English Text over Erasure Channel

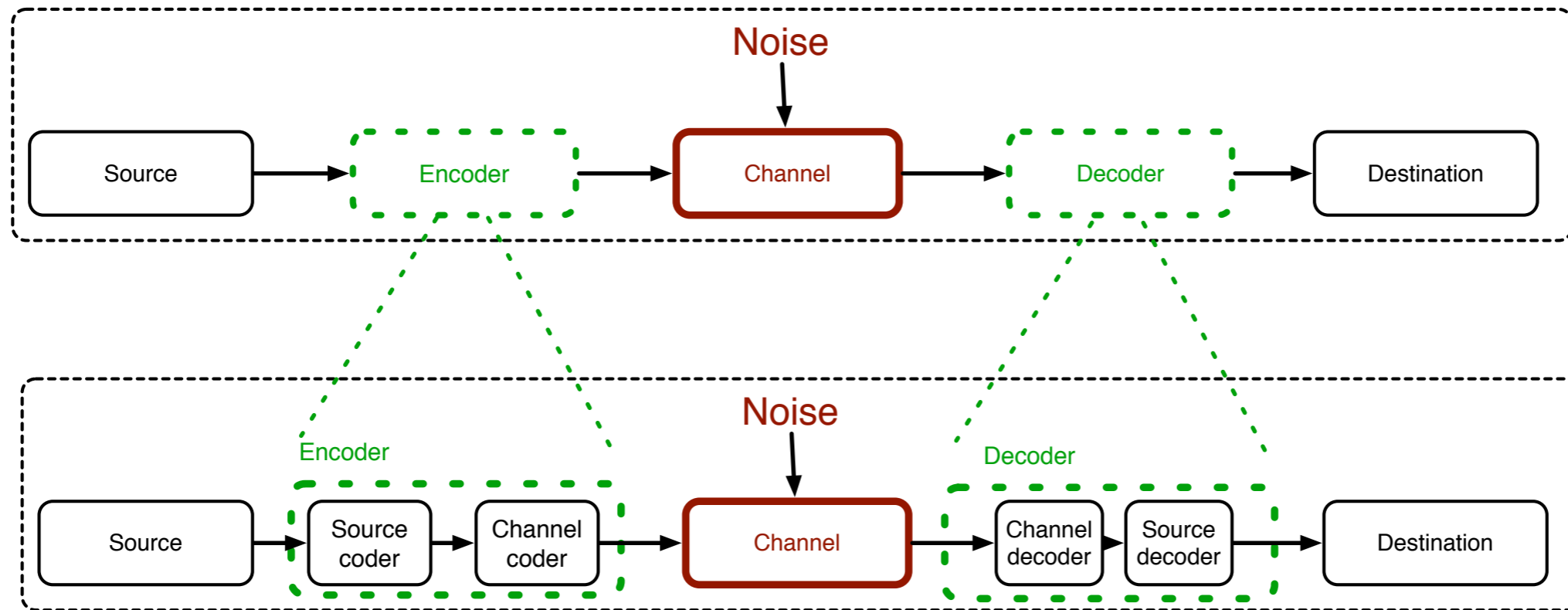
50% erasures:

___on t___Eng_i___a___a___e___ba___ng ma_h_n_s in_th_ s___, s____h___n___ig_i___in_the san___woode_s___,___h___a_r_w of___gin___h___s,___an___behin___the___a___ailway st___o_.) H_we___r, ___h___s___ma_e_ou___tha___e_w_s___n___h___o___f___e___w_i___she_h_d w_p_w_n___s n___e___h___h.

60% erasures:

'___w_sh_l_h___'___r___s___m___!'___a_d___c___, as_s___s_am_a_out,___g___fi___h___t. '___h_l___s_ed_fo___t___w, l___u_po___, ___b___g_r_w_ed_n___r___!___h___l___L___q___hi___,___u_e! Ho_e_e___,___v_ry___g is_u_e___o-___y.' ___th___h_ar___eth_g_s___h___bo___n___p___l___l___

Source-channel separation



- For (time-varying) DMC we can design the source encoder and channel coder separately and still get optimum performance
- Not true for:
 - Correlated Channel and Source
 - Multiple access with correlated sources
 - Broadcast channel