Diagram referenced as "Helix-coil transition (schematic) (Peller)"

Contributors

Gratzer, W. B. (Walter Bruno), 1932-

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earlier pointed out t
residues in determi
which is more stable
m coil.
l-isobaric partition
can be written form

$$g(N_h, N_c, N_{hc})$$

$N_{hc})$
$_{hc}\ f_c{}^{xN_c}\ e^{-x(\omega_{hh}N_{hh}+\omega_{cc}N}$

espectively, the num
units where a unit
be three for an α-he
functions for the in
ical and random coi
s the partition fun
residues. N_{hh} and
of neighboring helic
ively. N_{hc} is the nu
which is helical and
w_{cc} and w_{hc} are the
on per mole for these

tide chain consistin
follows from the de

$$x(N_h + N_c) = N$$

ling each residue a
s we have

$$2N_{hh} + N_{hc} = 2N_h$$
$$2N_{cc} + N_{hc} = 2N_c$$

ns 2b and 2c the ex
rms of N_h, N_c and N

$N_h, N_c, N_{hc})(j_h)^{N_h}(j_c)^N$