

# A continuum method for determining membrane protein insertion energies and the problem of charged residues

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In the original article, the references in Table I were set incorrectly. The correct Table I is shown below.

TABLE I  
*Parameter Values Used in All Calculations*

Parameter	Symbol	Value	Reference
Water dielectric	$\epsilon_w$	80	Sitkoff et al., 1994
Protein dielectric	$\epsilon_p$	2	Sitkoff et al., 1994
Membrane core dielectric	$\epsilon_{hc}$	2	Stern et al., 2003
Lipid head group dielectric	$\epsilon_{hg}$	80	Stern et al., 2003
Equilibrium membrane width	$L_0$	42 Å	Huang et al., 1986
Head group width	$L_{hg}$	8 Å	Helm et al., 1987
Ion screening concentration	$I_c$	100 mM	Grabe et al., 2004
Bulk interfacial surface tension	$\alpha$	$3 \times 10^{-13}$ N/Å	Nielsen et al., 1998
Area compression-expansion modulus	$K_a$	$1.425 \times 10^{-11}$ N/Å	Nielsen et al., 1998
Bending or splay-distortion modulus	$K_c$	$2.85 \times 10^{-10}$ NÅ	Nielsen et al., 1998
$\alpha/K_c$	$\gamma$	$1.05 \times 10^{-3}$ Å <sup>-2</sup>	Nielsen et al., 1998
$2 K_a/(L_0^2 \cdot K_c)$	$\beta$	$5.66 \times 10^{-5}$ Å <sup>-4</sup>	Nielsen et al., 1998
SASA prefactor for nonpolar energy	$a$	0.028 kcal/mol·Å <sup>2</sup>	Sitkoff et al., 1996
Constant term for nonpolar energy	$b$	-1.7 kcal/mol	Sitkoff et al., 1996