ERRATA – CORRIGE

for the book
Quantum Transport in Interacting Nanojunctions
by

A. Donarini and M. Grifoni

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Location	**Now reads**		**Corrected**
Eq. (1.47)	$\sinh^2(\kappa a)$		$\sinh(\kappa a)$
Pg. 29 just after Eq. (1.71)	$n_2 = (k_F/2\pi)^2$		$n_2 = k_F^2/2\pi$
Pg. 29 just after Eq. (1.71)	$\sigma_{\mathrm{dc},D} = e^2 l_{\mathrm{el}} k_F/2\pi h$		$\sigma_{\mathrm{dc},D} = e^2 l_{\mathrm{el}} k_F/h$
Eq. (2.52)	$\sum_{a=1}^{4}$		$\sum_{a=0}^{3}$
Pg. 59, just after Eq. (2.52)	-	*please add:*	where $E_a \equiv E_{2,a}$
Pg. 59, just after Eq. (2.55)	$E_2 - E_1 = E_4 - E_3$		$(E_{2,1} - E_{2,0})/\hbar = (E_{2,3} - E_{2,2})/\hbar$
Pg. 93, title Ex. 2.5	N-sites		N-site
Eq. (2.88)	χ_α		χ
Eq. (2.89)	$S_\alpha(t)$		$S_{I_\alpha}(t)$
Eq. (S3.10)	ω_{mm}		ω_{nm}
Eq. (3.27)	$\tilde{\chi}^R_{AB}(\omega=0) = \tilde{\chi}^R_{B^\dagger A^\dagger}(\omega=0)$		$\tilde{\chi}^R_{AB}(\omega=0) = \tilde{\chi}^R_{BA}(\omega=0) = [\tilde{\chi}^R_{A^\dagger B^\dagger}(\omega=0)]^*$
Eq. (3.31)	$\langle[\hat{M}^\dagger_L(0), \hat{M}^\dagger_L(0)]\rangle_0$		$\langle[\hat{M}^\dagger_L(t), \hat{M}^\dagger_L(0)]\rangle_0$
Pg. 109, 2nd line	Problem 2.9		Problem 2.10
Eq. (3.48), 1st line	$\tilde{B}(\omega)$		$-\frac{\tilde{B}(\omega)}{2\hbar}$
Eq. (3.48), 1st line	$-\frac{e^2}{2\hbar}$		$+\frac{e^2}{2\hbar}$
Eq. (3.48), 2nd line	$t_{Lk\sigma i} t^*_{Lk'\sigma' j}$		$t^*_{Lk\sigma i} t_{Lk'\sigma' j}$
Eq. (3.48), last line	$-t^*_{Lk\sigma i}$		$+t^*_{Lk\sigma i}$
Eq. (3.50), 1st term of 2nd line	$t_{Lk\sigma i} t^*_{Lk'\sigma' j}$		$t^*_{Lk\sigma i} t_{Lk'\sigma' j}$
Eq. (3.52), 1st term of 2nd line	$t_{Lk\sigma i} t^*_{Lk'\sigma' j}$		$t^*_{Lk\sigma i} t_{Lk'\sigma' j}$
Pg. 110, just after Eq. (3.55)	where...	*please add:*	...for simplicity we choose the system basis $\{\|i\sigma\rangle\}$ which diagonalizes the left electrode self-energy $\mathbf{\Sigma}_{L\sigma}(\omega)$. Moreover,...
Eq. (4.54), 1st fraction	$\frac{\tilde{\mathcal{G}}_0(\lambda)}{1-\Sigma_Q \tilde{\mathcal{G}}_0(\lambda)}$		$[1 - \tilde{\mathcal{G}}_0(\lambda)\Sigma_Q]^{-1}\tilde{\mathcal{G}}_0(\lambda)$

Location	**Now reads**	**Corrected**
Fig. (5.11)	$\tilde{\mathcal{K}}^{(4)}\hat{\varrho}$	$\tilde{\mathcal{K}}^{(4)}\hat{\varrho}^{\infty}$
Eq. (5.118), 2nd line	$\mathcal{D}_{l_1'}^{p_1\mu_1}$	$\mathcal{D}_{l_1}^{p_1\mu_1}$
Pg. 201, just before Sec. 5.9.2	see Chap. 4 in [91]	see Chap. 4. in [4]
Eq. (6.59)	$-\Sigma_{\sigma-}(\epsilon)$	$+\Sigma_{\sigma-}(\epsilon)$
Eq. (6.59)	$-\Sigma_{\sigma+}(\epsilon)$	$+\Sigma_{\sigma+}(\epsilon)$
Eq. (6.60)	$\frac{\mathcal{E}_\xi-\mu_\alpha}{2\pi k_{\mathrm{B}}T}$	$\mathrm{i}\frac{\mathcal{E}_\xi-\mu_\alpha}{2\pi k_{\mathrm{B}}T}$
Eq. (6.107)	$-\Sigma_{\sigma-}(\epsilon)$	$+\Sigma_{\sigma-}(\epsilon)$
Eq. (6.107)	$-\Sigma_{\sigma+}(\epsilon)$	$+\Sigma_{\sigma+}(\epsilon)$
Pg. 272, caption to Fig. 7.14	$\Gamma_{0,R}=2\Gamma_{0,L}=U_{LR}/100...$	*please add:* and the interdot tunnelling vanishes.
Eq. (7.43)	$+2e\boldsymbol{\gamma}_\alpha^-\cdot\boldsymbol{T}^{\infty}$	$-2e\boldsymbol{\gamma}_\alpha^-\cdot\boldsymbol{T}^{\infty}$
Eq. (9.55)	$-\Sigma_{\sigma-}(\epsilon)$	$+\Sigma_{\sigma-}(\epsilon)$
Eq. (9.55)	$-\Sigma_{\bar{\sigma}+}(\epsilon)$	$+\Sigma_{\bar{\sigma}+}(\epsilon)$
Eq. (9.56)	$\frac{\mathcal{E}_\xi-\mu_\alpha}{2\pi k_{\mathrm{B}}T}$	$\mathrm{i}\frac{\mathcal{E}_\xi-\mu_\alpha}{2\pi k_{\mathrm{B}}T}$
Eq. (S6.39)	$-\Sigma_{\sigma-}$	$+\Sigma_{\sigma+}$
Pg. 560, Ref. 92	https://pubs.acs.org/doi/...	https://doi.org/10.1143/JPSJ.12.570

Please, contact us if you find further misprints.
Thank you in advance for your collaboration!

Andrea Donarini and Milena Grifoni