Erratum

CURVATURE vs. THICKNESS IN QUANTUM WAVEGUIDES

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The condition (2) claimed in the paper to be a criterion is in fact sufficient, however, it is necessary for mildly bent strips only. Hence while the properties of $\alpha(\kappa)$ defined by (9) are valid as stated, its meaning is different: it is the true critical angle for not very large κ but from some point up it is just an upper bound. It means, in particular, that the claim about finiteness of the critical thickness at the end of Example 4.2 is not correct. The corresponding lower bounds to the critical thickness (the remark following (17)) hold with the same exponents as in Example 4.2.