

CORRECTIONS TO
DISCRETE POTENTIAL THEORY AND BOUNDARIES

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The following corrections should be made in "Discrete Potential Theory and Boundaries", this *Journal* **8** (1959), pp. 433-458.

On the last line of p. 452 and the first line of p. 453, ϕ_n should be ϕ , that is, there is no dependence on n . This means that on p. 455, lines 2-8 and the last sentence of Section 12 should be deleted. In fact a space-minimal function need not be space-time minimal.

The metric introduced on p. 449 is awkward in that, on completion of the space S , the exit boundary S' may include transient points of S . This means that the literal statement of the first boundary value problem becomes unnatural. A distance function which avoids this disconcerting possibility is the sum of the distance function d defined by (8.5) and any distance function on S which makes the Cauchy condition for convergence satisfied if and only if a sequence converges to ∞ in the obvious sense. (An unimportant disadvantage is that now there may be a transient point ξ_1 of S and a boundary point ξ_2 such that the functions $K(\cdot, \xi_1)$ and $K(\cdot, \xi_2)$ are identical.)