

**ERRATUM TO:**  
**“PLURISUBHARMONIC EXTREMAL FUNCTIONS,  
LELONG NUMBERS AND COHERENT IDEAL SHEAVES”**

FINNUR LÁRUSSON AND RAGNAR SIGURDSSON

22 May 2001

We are grateful to Quang Dieu Nguyen for pointing out a gap in the proof of Theorem 3.9 in our paper in *Indiana Univ. Math. J.* **48** (1999), p. 1533. We cannot conclude that  $\tilde{G}_A \leq v^*$ . The theorem remains unproved. The rest of the paper is not affected.

The function  $v^* + \log |f|$  is the upper semicontinuous regularization of the supremum of the class of plurisubharmonic functions  $u < 0$  on the domain  $X$  such that  $u - \log |f|$  is bounded above on  $X$  (not just locally at  $A$  as in the definition of  $G_A$ ). This function shares the basic properties of  $G_A$  and would seem to be another candidate for the Green function with a pole along  $A$ . The argument in our paper shows that its points of discontinuity form a pluripolar set. We do not know if it equals  $G_A$ .

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF WESTERN ONTARIO, LONDON, ONTARIO N6A 5B7,  
CANADA

*E-mail address:* `larusson@uwo.ca`

SCIENCE INSTITUTE, UNIVERSITY OF ICELAND, DUNHAGA 3, IS-107 REYKJAVÍK, ICELAND

*E-mail address:* `ragnar@raunvis.hi.is`

---

2000 *Mathematics Subject Classification.* Primary: 32U35.

The first-named author was supported in part by the Natural Sciences and Engineering Research Council of Canada.

Typeset by  $\mathcal{A}\mathcal{M}\mathcal{S}$ - $\mathcal{T}\mathcal{E}\mathcal{X}$