

---

**Thomas Ransford and Jérémie Rostand**

**Hölder Exponents of Green's Functions of Cantor Sets**

CMFT 8 No.1 (2008), 151–158. [ISSN 1617-9447]

**Abstract.** We obtain improved estimates for the Hölder exponents of Green's functions associated to Cantor ternary sets. In particular, we show that the Green's function associated to the classical Cantor middle-third set is Hölder continuous of order at least 0.3413.

**Keywords.** Green's function, Hölder continuity property, Cantor set.

**2000 MSC.** Primary 31A15; Secondary 30C85, 65E05.

**Received.** January 3, 2007.

**Published online.** May 22, 2007.