

---

**Alec L. Matheson<sup>†</sup> and William T. Ross**

**An Observation about Frostman Shifts**

CMFT 7 No.1 (2007), 111–126. [ISSN 1617-9447]

**Abstract.** A classical theorem of Frostman says that if  $B$  is a Blaschke product (or any inner function), then its Frostman shifts  $B_w = (B - w)(1 - \bar{w}B)^{-1}$  are Blaschke products for all  $|w| < 1$  except possibly for  $w$  in a set of logarithmic capacity zero. If  $B$  is a Frostman Blaschke product, equivalently an inner multiplier for the space of Cauchy transforms of measures on the unit circle, we show that for all  $|w| < 1$ ,  $B_w$  is indeed another Frostman Blaschke product.

**Keywords.** Blaschke product, Frostman shifts, multipliers.

**2000 MSC.** 30E20, 30D50.

**Received.** June 1, 2006, in revised form July 23, 2006.