

## **Abstract**

In this paper we study the differentiation and maximal functions of complex Borel measures on the unit circle of  $\mathbb{C}$  with respect to the measures associated to Dunkl differential-difference operators for dihedral groups. We prove that the Poisson integrals corresponding to these differential-difference operators have nontangential limits almost everywhere. Our approach relies on the proof of the doubling condition to obtain an appropriate covering lemma.