# A Note on a Generalized Integral Operator <sup>1</sup>

### S. Latha

### Abstract

In this note, we introduce the new subclass  $S\mathcal{P}_k^{\lambda}(\beta)$  of analytic functions and certain properties of a generalized integral operator are studied.

**2000 Mathematics Subject Classification:** 30C45. **Key words and phrases:** Integral operator, Univalent function.

## References

- [1] J. W. Alexander, Functions which map the interior of the unit circle upon simple regions, Ann. of Maths., 17, 1915, 12-22.
- [2] D. Breaz, N. Breaz, Some convexity properties for a general integral operator, Journal of Inequalities in Pure and Applied Mathematics, vol. 7, no. 5, article 177, 2006.
- [3] D. Breaz, A convexity property for an integral operator on the class  $S_p(\beta)$ , General Mathematics, vol. 15, no. 2-3, 2007, 177-183.
- [4] E. J. Moulis, A generalization of univalent functions with bounded boundary rotation, Trans. Am. Math. Soc., 174, 369-381.
- [5] E. J. Moulis, Generalization of the Robertson functions, Pacific J. Math., 81, 169-174.

#### S. Latha

University of Mysore Yuvaraja's College Department of Mathematics Mysore, India e-mail: drlatha@gmail.com

<sup>&</sup>lt;sup>1</sup>Received 14 September, 2009 Accepted for publication (in revised form) 27 January, 2011