

ON CLOSE-TO-CONVEX MAPPINGS OF A BANACH SPACE  
INTO THE COMPLEX PLANE

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**Abstract.** Let  $E$  be a complex Banach space and let  $B$  be the unit ball in  $E$ , i.e.  $B = \{x \in E : \|x\| < 1\}$ . In this paper we introduce the class of close-to-convex mappings of  $B$  into the complex plane.

REFERENCES

- [1] GOODMAN, A.W., *Univalent functions*, Mariner Publishing Company, Inc., 1983.
- [2] JANIEC, E., *On starlike and convex maps of a Banach space into the complex plane*, Demonstratio Math., **XXVII** (1994), 511–516.

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