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NEW SUBCLASS OF UNIVALENT HOLOMORPHIC FUNCTIONS BASED ON SALAGEAN OPERATOR

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Abstract. By using generalized Salagean differential operator a new subclass of Univalent holomorphic functions with negative coefficients is defined. Coefficient estimates, weighted mean and arithmetic mean properties are proved. Finally, effect of two integral operators on functions of this subclass are investigated.

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Key words. Subordination, p-valent function, coefficient estimate, distortion bound and radii of starlikeness and convexity.

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