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Dedicated to Professor Ioan A. RUS on the occasion of his 70<sup>th</sup> anniversary

## On the approximation of surfaces with negative Gauss curvature using surfaces attached to the monogenous functions

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ABSTRACT. This article analyses the possibility of approximating the surfaces with negative Gauss curvature of form:  $(S): \bar{r} = (f(t), M(t, v), N(t, v))$  or (f(v), M(t, v), N(t, v)) with surfaces of form  $(S_m): \bar{r} = (y, U(x, y), V(x, y))$  or (x, U(x, y), V(x, y)), where U(x, y) + iV(x, y) = F(z) is a monogenous function in  $D \subset \mathbb{R}^2$ , simple connected.

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