

PANTHÉON LITTÉRAIRE.



LITTÉRATURE FRANÇAISE.



POLYGRAPHIE.

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation

$$f(x) = \int_0^x \frac{1}{1+t^2} dt$$

for $x \in \mathbb{R}$. It is shown that $f(x)$ is an odd function and that $f(x) \in C^1(\mathbb{R})$. Moreover, it is proved that $f(x)$ is a strictly increasing function and that $f(x) \in C^2(\mathbb{R})$.

2. The second part of the paper is devoted to the study of the properties of the function $g(x)$ defined by the equation

$$g(x) = \int_0^x \frac{1}{1+t^4} dt$$

for $x \in \mathbb{R}$. It is shown that $g(x)$ is an even function and that $g(x) \in C^1(\mathbb{R})$. Moreover, it is proved that $g(x)$ is a strictly increasing function and that $g(x) \in C^2(\mathbb{R})$.

OEUVRES
COMPLÈTES
DE VOLTAIRE.

III.

BATIGNOLLES-MONCEAUX. — IMPRIMERIE DE AUGUSTE DESREZ ET Cie, RUE LEMERCIER,

À

OEUVRES

COMPLÈTES

DE VOLTAIRE

AVEC DES NOTES

ET UNE NOTICE HISTORIQUE SUR LA VIE DE VOLTAIRE.

TOME TROISIÈME.

ESSAI SUR LES MOEURS. — ANNALES DE L'EMPIRE.



PARIS

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