

Zeitschrift: L'Enseignement Mathématique
Herausgeber: Commission Internationale de l'Enseignement Mathématique
Band: 45 (1999)
Heft: 3-4: L'ENSEIGNEMENT MATHÉMATIQUE

Artikel: ADDENDUM TO THE PAPER "A NEW PROOF OF VINCENT'S THEOREM"
Autor: ALESINA, Alberto / GALUZZI, Massimo
DOI: <https://doi.org/10.5169/seals-64457>

Nutzungsbedingungen

Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. [Siehe Rechtliche Hinweise.](#)

Conditions d'utilisation

L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. [Voir Informations légales.](#)

Terms of use

The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. [See Legal notice.](#)

Download PDF: 26.11.2024

ETH-Bibliothek Zürich, E-Periodica, <https://www.e-periodica.ch>

ADDENDUM TO THE PAPER
“A NEW PROOF OF VINCENT’S THEOREM”

by Alberto ALESINA and Massimo GALUZZI

The recent addition by the American Mathematical Society of over 500,000 reviews to the *MathSciNet* has allowed us to discover, with some surprise, a paper by A.M. Ostrowski devoted to Vincent’s theorem ([4], reviewed by M. Marden [3]).

This paper has apparently been forgotten. Several articles dealing with Vincent’s theorem appeared after Uspensky’s rediscovery (see the bibliography in [1]), but none mentions Ostrowski’s work.

It will be clear, on comparing [1] and [4], that our proof of Vincent’s theorem is different from Ostrowski’s.

We also mention [2], where we obtain, by using linear fractional transformations, a theorem comparable to (but more powerful than) the classical theorem of Budan and Fourier.

REFERENCES

- [1] ALESINA, A. and GALUZZI, M. A new proof of Vincent’s theorem. *L’Enseignement Math.* (2) 44 (1998), 219–256.
- [2] ALESINA, A. and GALUZZI, M. Vincent’s theorem from a modern point of view. To appear in *Perugia Studies*, R. Betti and W.F. Lawvere (eds.).
- [3] MARDEN, M. Review of [4]. *Math. Reviews* 12 (1951), 408.

- [4] OSTROWSKI, A. M. Note on Vincent's theorem. *Ann. of Math. (2)* 52 (1950), 702–707.

(Reçu le 14 juillet 1999)

Alberto Alesina
Massimo Galuzzi

Dipartimento di Matematica “F. Enriques”
Università degli Studi di Milano
Via Saldini 50
I-20133 Milano
Italy
e-mail: alesina@mat.unimi.it
galuzzi@mat.unimi.it