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ON THE APPROXIMATION OF NON-PERIODICAL FUNCTIONS BY MEANS OF ALGEBRAIC POLYNOMIALS. [1961] [21] p. 9 refs.
Order from OTS or SLA $2.60 61-16086

Trans. of Moskow U. Vestnik. [Seriya 1: Matematika, Mekhanika] (USSR) 1960 [v. 15] no. 4, p. 14-25.

DESCRIPTORS: *Functions, Numerical analysis, Polynomials.

Potapov develops polynomial approximations (in terms of $L_p[-1,1]$ norms) for functions and their derivatives. (Translator)

(Mathematics, FT. v. 6, no. 3)

61-16086

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New Delhi-12, India

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SPECIALIZATION AND ANTIQUATION IN THE USSR MACHINE-BUILDING INDUSTRY, BY M. PUTIPOV, 9 PP.

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RUSSIAN, per, Vestnik Moskovskogo Universitete, Seriya Khimicheskaya, Vol 18, No 4, 1963, pp7-24
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Ionization and Dissociation of n-Octane and n-Nonane by Monoenergetic Electrons, by V. K. Potapov, V. G. Vailyev, N. N. ~~Zm~~ Tunitskiy, 4 pp.

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NEW OPERATIONAL DEMANDS ON DESIGN OF FREIGHT CARS. [1962] 6p.
Order from OTS or SLA $1.10 63-10761

Trans. of Zheleznodorozhnyi Transport (USSR) 1962 [v. 44, no. 8] p. 28-32.

DESCRIPTORS: *Railroad cars, Design, Maintenance, Handling, Cargo, Railroads.

(Machinery--Transport, TT, v. 10, no. 1)

63-10761

I. Potapov, V. P.
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Potapov, Yu. F. and Simonov, V. V.
EFFECT OF THE AMOUNT OF POWER SUPPLIED TO THE BIT ON THE EFFICIENCY OF ROCK BREAKDOWN. [1961] 7p.
Order from ATS $9.65 ATS-04N48R

Trans. of Izvest[iya] Vysshikh Ucheb[nykh] Zaved[enii]. Neft' i Gaz (USSR) 1960, v. 3, no. 7, p. 35-41.

DESCRIPTORS: *Drills, Power, Effectiveness, *Rock, Fracture (Mechanics).

(Engineering, TT, v. 6, no. 4)

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RUSSIAN, ck, Tezisy Doklady Mezhinstitutskoy Nauchnoy Konferentsiy po Zabolevaniyam a Prirodnoy Ochagovosti, Pervyashchenskoy [illegible] Nauchno-Issledovatel'skogo Instituta Vaktsin i Syborotok 17-22 Noyabrya 1956 g, 1956, pp 68, 69.
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Order from OTS 50.50

61-11827

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Potat, E. and Schmid, W.
ADHESIVE STRENGTH AND SLIP OF FEED STOCKS.
[1955] 9p. (refs. 7 figs. omitted).
Order from SLA $1.10 61-16161

Trans. of a German language article from an unidentified source, n.d.

DESCRIPTORS: Insecticides, *Adhesives, *Surface properties, Measurement *Friction, Temperature, Differential equations, Particles

Tests showed that particle size is decisive for the magnitude of the adhesion. With very fine grains, practically no sliding is obtained because only a limited sliding surface is available. The properties of the material have less influence on adhesion than the particle size, but more than the other influential quantities. The dependence of adhesion on the granularity in-
(Materials--Adhesives, TT, v. 7, no. 5) (over)

61-16161

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1955

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61-16161

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