

資料室だより

BISI Translation 紹介

— No 47 —

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またこの翻訳論文の刊行準備のできたものの Title, Abstract および出典について Translations Available (Weekly) が刊行されたり、また Journal of The Iron and Steel Institute に掲載され、事前にどんな論文が出るかわかるようになっています。

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資料委員会では 1965 年より業界の協力のもとに共同購入してまいりました。

次に列記いたしました Title は最近入手したもので、複写は禁止されておりますので閲覧のみに限ります。

“資料室だより”の別刷ご希望の方は調査課までご連絡下さい。無料でさし上げます。Tel. (279) 6021

BISI Translations List No 703~705

Management planning and control

BISI 12103 (V. M. Ganopol'skii, et al)
Improving the procedure for determining the level of labour productivity at steelworks.
[Stal' 1973, (10), 943-946] (R)

BISI 11640 (N. G. Gavrilenko)
Organisation of repairs and repair work in metallurgical plants in the USSR.
[Neue Hütte, 1973, 18, (3), 135-139] (G)

Physical structure of materials and crystallography

BISI 12151 (B. E. Zhaikin, et al)
The variational-differential method of solving the problems of metal working in terms of stress.
[Izv. VUZ. Chern. Met., 1973, (11), 88-92] (R)

BISI 12105 (G. E. Arkulis, et al)
Determination of the stress in the deformation zone during deep drawing.
[Stal', 1973, (10), 957-959] (R)

BISI 11829 (J. Fiala)
Absolute quantitative powder diffraction phase analysis of nitrides in steels.
[Kovove Mat., 1973, 11, (1), 91-92] (C)

Physical metallurgy and metallography

BISI 12242 (Anon)
Microscopic examination of ferrous materials.
[Italian Standard, UNI 3244-66, 1966, October.] (I)

BISI 11816 (Anon)
Baumann prints: macrographic examination of steels.
[Fondeur d'Aujourd'hui, 1967, 182, 5-7] (F)

BISI 12093 (A. I. Yatsenko, et al)
Microheterogeneity in the primary cementite in iron-carbon alloys.
[Izv. VUZ. Chern. Met., 1973, (10), 132-134]

(R)

BISI 12091 (M. A. Shumilov, et al)
Influence of sulphur on the solubility and diffusion of carbon in alpha iron.
[Izv. VUZ. Chern. Met., 1973, (10), 123-126] (R)

BISI 12030 (V. I. Nizhenko and L. I. Floka)

Density and surface properties of liquid alloys

of the iron-copper system.

[Izv. VUZ. Chern. Met., 1973, (9), 13-16] (R)

Physical properties and chemical analysis

BISI 12149 (V. N. Zeveryukha)
Calculation of non-stationary temperature fields in plate-rolling rolls by the method of finite differences.

[Izv. VUZ. Chern. Met., 1973, (11), 80-83] (R)

BISI 12095 (A. K. Beskrovnyi)
Electronic mechanism of the inoculation and micro-alloying of alloys.
[Izv. VUZ. Chern. Met., 1973, (10), 138-141] (R)

BISI 12080 (M. S. Petrushevskii and P. V. Geld)
Calculation of the surface energies of binary melts with strong mutual reaction of the components and characteristically special points.
[Izv. VUZ. Chern. Met., 1973, (10), 5-9] (R)

BISI 12148 (Yu. I. Nyashin, et al)
Variational method of calculating temperature fields in processes of treating metals by pressure.
[Izv. VUZ. Chern. Met., 1973, (11), 77-79] (R)

BISI 12143 (Yu. A. Pavlov, et al)
Behaviour of lithium-manganese ferrites during heating.
[Izv. VUZ. Chern. Met., 1973, (11), 5-8] (R)

Mechanical properties and material defects

BISI 12182 (V. Kravcenko)
Some questions on international standardization of the tensile test.
[Materialprüfung, 1972, 14, (11), 387-391] (G)

BISI 10932 (M. F. Maratray)

Experimental studies and the wear of equipment.
[Aciers Spéciaux, 1969, 10, 3-12] (F)

BISI 11254 (A. Krisch and F. K. Naumann)

Creep rupture strength and structure of the
steel 10 CrMo 9 10.
[Arch. Eisenh., 1970, 41, Sept. 835-840] (G)

BISI 12196 (VDE)

Eddy current testing of tubes, as proof of leak
tightness.
[Stahl Eisen Prüfblatt, 1925 (Draft) 1972 Sept.]
(G)

BISI 12195 (VDE)

NDT of fusion-welded, long distance pipeline
for combustible liquids and gases.
[Stahl Eisen Prüfblatt, 1916, (1st Ed.), 1972
August.] (G)

BISI 11759 (Belgian Patent)

Optical-electronic strip surface finish inspection
system.
[Belgian Patent, 790 686; 27. 4. 73] (B)

Protection of materials**BISI 12119 (K. C. Abbel)**

Hot-dipped aluminised steel sheet-corrosion re-
sistant and economic even at high temperatures.
[Bänder Bleche Rohre, 1973, 14, 8, 337-338] (G)

Rolling**BISI 12136 (Yu. P. Pokatilov and I. K. Lysenko)**

Effect of the process equipment on the end
distortion of rails.
[Stal', 1973, (11), 1023-1024] (R)

BISI 11798 (Yu. M. Chizhikov, et al)

Features of the metal deformation during the
non-stable state processes involved in the reduc-
tion and plane rolling of continuously cast slabs.
[Stal', 1973, (6), 530-534] (R)

BISI 12132 (A. D. Filatov, et al)

New technological schedule for rolling and
finishing channels on a 500 mill.
[Stal', 1973, (11), 1017-1019] (R)

BISI 12088 (V. I. Znamenskii, et al)

Investigation of the contact and interlayer stresses
during the rolling of bimetallic packs with a hard cladding.

[Izv. VUZ. Chern. Met., 1973, (10), 87-91] (R)

BISI 12135 (G. N. Kharchenko, et al)

Improvement on the profile of slabs during roll-
ing on a slabbing mill.

[Stal', 1973, (11), 1021-1022] (R)

BISI 12223 (S. A. Seregin)

A laboratory rolling mill with propelled roll.
[Izv. VUZ. Chern. Met., 1973, (12), 103-105]
(R)

BISI 12089 (V. I. Meleshko, et al)

Entry of the lubricant into the deformation
zone during rolling.

[Izv. VUZ. Chern. Met., 1973, (10), 92-97] (R)

BISI 12153 (I. N. Potapov and V. G. Al'khovoi)

Principles of calation of the pass design of work
rolls when rolling in the region of large feed
angles.

[Izv. VUZ. Chern. Met., 1973, (11), 113-117]

(R)**BISI 12213 (V. I. Derevyanko, et al)**

Development of the rolling of a special beam-
type section.
[Stal', 1973, (12), 1111-1112] (R)

Metal working excluding rolling**BISI 12214 (M. A. Shubik, et al)**

Varying the speed of the roll during rolling on
pilger mills.

[Stal', 1973, (12), 1118-1120] (R)

BISI 11468 (V. V. Gulyaev, et al)

Features of production of thin-wall sections of
high-strength and stainless steels.

[Stal', 1973, (2), 181-184] (R)

BISI 12204 (H. D. Feldmann)

Cold forming machines-selection and require-
ments.

[WT-Z ind. Fertig., 1973, July, 63, (7), 393-
400] (G)

BISI 9486 (G. Korponay)

A new type of shears for heavy plate rolling
mills.

[Koh. Lapok KOH., 1970, 103, (11), 501-505]
(H)

BISI 12229 (V. F. Egorov, et al)

Averaging out the loads on press shears drives
(Report 2).

[Izv. VUZ. Chern. Met., 1973, (12), 159-162]
(R)

BISI 12158 (S. B. Stark and V. I. Slavin)

Atomization of liquids by centrifugal nozzles.

[Izv. VUZ. Chern. Met., 1973, (11), 182-185]
(R)

**Steel and alloys (technical applications and me-
thods of production) cermets****BISI 11412 (A. M. Adaskin, et al)**

Ways of improving the properties of tungsten-
molybdenum high speed steel.

[Stal', 1973, (1), 69-72] (R)

BISI 11859 (M. Zezulová and L. Barés)

The behaviour of austenitic stainless steels in
cold plastic deformation.

[Hutn. Listy, 1973, (3), 197-202] (C)

BISI 11782 (P. E. Nizhel'skii and T. S. Skorod)

The influence of titanium on the properties of
heat-resisting chromium-manganese steel.

[Izv. VUZ. Chern. Met., 1973, (6), 104-105] (R)

BISI 12131 (R. S. Rudneva, et al)

Production of balanced steel with a high man-
ganese content.

[Stal', 1973, (11), 995-996] (R)

BISI 10916 (J. Tichy)

Strain aging of CSN 11 320, 11 343 and 11 373
rimming steels made in tandem furnaces.

[Hutník, 1972, (4), 121-123] (C)

BISI 11688 (Voest AG)

Low carbon enamelling steel.

[West German Patent 2 151 060, 12th April
1973] (R)

Casting and cast metals**BISI 12146 (L. S. Rudoj)**

Determination of the number of strands for a

continuous casting machine.

[Izv. VUZ. Chern. Met., 1973, (11), 53-56] (R)

Heat treatment

BISI 11783 (Yu. P. Gul')

Mobility of dislocations in mild steel in the aged state, and its cold shortness in that state.
[Izv. VUZ. Chern. Met., 1973, (6), 89-92] (R)

BISI 12215 (K. A. Lanskaya, et al)

Effects on structure and properties of 12 Kh1MF steel tubes inherited from prior cold work.
[Stal', 1973, (12), 1122-1126] (R)

BISI 12248 (R. Blondeau)

Prediction of hardness and strength of carbon and low-alloy steels from their structure and composition.

[Mem. Sci. Rev. Met., 1973, (12), 883-892] (F)

BISI 12203 (S. Soraya, et al)

Cold upsetting of wire hardened and tempered in the coil.
[Draht, 1973, 24, (9), 470-477] (G)

Heating, heating furnaces and electric heating

BISI 12159 (L. N. Roitburd, et al)

Reserve potential in the economic effectiveness of the electroslag refining process.
[Izv. VUZ. Chern. Met., 1973, (11), 186-188] (R)

Fuel combustion and refractories

BISI 11298 (L. Sieg)

Production of liquid fuels from coal.
[Erdöl und Kohle-Erdgas, 1972, 25, (7), 410-413] (G)

Welding and joining

BISI 12315 (R. Iyer)

Twin-screw bimetallic cylinders.
(Revista de Plásticos Modernos, 1974, 25, (211), 125-128] (Sp)

BISI 12124 (G. Bohm)

Electron-beam welded bimetallic twin cylinders.
[Plastverbeiter, 1973, 24, (10), 603-607] (G).

Ores and minerals handling and beneficiations

BISI 11418 (S. M. Tlegubulov, et al)

Investigation of the aerodynamics of a column of ore materials during reduction roasting.
[Stal', 1973, (1), 10-12] (R)

BISI 12144 (A. N. Spektor, et al)

Absorption of sulphur dioxide by components of the mix by fluxed pellets.
[Izv. VUZ. Chern. Met., 1973, (11), 29-32] (R)

Ironmaking and ferro-alloys

BISI 12122 (D. Sanna and C. Holstein)

Estimation of the efficiency of blast reheating in blast furnaces.
[C. I. T., 1973, (7/8), 1731-1745] (F)

BISI 12083 (L. A. Safina and N. N. Chernov)

Ways of improving the physico-chemical properties of blast-furnace slags at southern works.
[Izv. VUZ. Chern. Met., 1973, (10), 40-43] (R)

BISI 12134 (E. V. Nikovaev, et al)

Behaviour of the gases in closed 63 MVA ferroalloy furnace.

[Stal', 1973, (11), 1011-1012] (R)

Steelmaking

BISI 11245 (H. C. Pfeifer and S. G. Scherer)

Direct reduction of iron ore SL/RN process.

[Contribution to the XXVII ABM annual Congress, 1972, July, São Paulo] (Port)

BISI 11110 (K. W. Lange and H. Rees)

On the analogy between foaming oxygen top-blown converters and fluidised beds.

[Arch. Eisenh., 1972, July] (G)

BISI 8808 (M. A. Hamilius)

Automation in the LD steelworks, sidmar, installation of an on-line process controller.

[International Iron and Steel Conference, 1970, Luxembourg] (F)

BISI 11733 (R. Knauer, et al)

Process and apparatus for determining the temperature and controlling the blow of metal baths in particular converters.

[German Pat. (DDR) 96 976, 12th April, 1973] (G)

BISI 12208 (Yu. N. Tuluevskii, et al)

Spedding up open hearth melting in the periods of charging and heating up using the avter (Automatic conditions) system.

[Stal', 1973, (12), 1081-1085] (R)

Extraction and refining

BISI 11984 (L. S. Bulavina, et al)

Rmelting of nitrogen-alloyed steel in vacuum arc furnaces.

[Stal', 1973, (8), 703-705] (R)

BISI 12098 (B. Ya. Baldaev, et al)

The use of vacuum in the production of stainless steel.

[Stal', 1973, (10), 898-901] (R)

BISI 10539 (M. Kepka and J. Skala)

The effect of rare-earth metals on the properties of steel.

[Hutnik, 1972, (1), 12-17] (C)

BISI 12102 (A. P. Okenko, et al)

Investigation of the causes of reduced ductility in ingots of 08Kh19N008 steel.

[Stal', 1973, (10), 934-935] (R)

BISI 12145 (G. D. Surguchev and G. G. Stapanova)

A mathematical model of the decarburisation process allowing for the process occurring in the reaction zone.

[Izv. VUZ. Chern. Met., 1973, (11), 45-47] (R)

BISI 11689 (W. Koch)

The cost of transporting and handling scrap delivered to iron and steelworks.

[Stahl Eisen, 1973, 93, (9), 26th April, 377-382] (G)

Engineering

BISI 12202 (H. Wiegand and K. H. Illgner)

Durability of bolted joints when screwed into blind holes with thread (therreaded bolt with iso thread profile).

[Konstruktion, 1964, 16, (8), 330-340] (G)