# Europäische Fachhochschule

# **European Applied Sciences**

#3 - 2013

#### Impressum

European Applied Sciences Wissenschaftliche Zeitschrift

#### Herausgeber:

ORT Publishing Schwieberdingerstr. 59 70435 Stuttgart, Germany

Inhaber: Konstantin Ort

Tel.: +49(711)50432575 Fax: +49(711)50439868

info@ortpublishing.de www.ortpublishing.de

Die Herausgabe verfolgt keine kommerziellen Zwecke und wird durch die gemeinnützige Organisation "Zentrum der sozial-politischen Forschungen "Premier" (Krasnodar, Russische Föderation) unterstützt, www.anopremier.ru.

#### Chefredakeur:

Dr. phil. Stephan Herzberg

#### Redaktionskollegium:

Apl.-Prof. Dr. phil. Lutz Schumacher,
Lüneburg, Germany
Prof. Dr.-Ing. Johannes Pinnekamp, Aachen, Germany
Dr. phil. Carsten Knockret, Heidelberg, Germany
Dr. rer. soc. Dr. phil. Dietrich Pukas, Bad Nenndorf, Germany
Prof. Dr. phil. Kristina Reiss, München, Germany
Prof. Dr. oec. Susanne Stark, Bochum, Germany
Prof. Dr. iur. utr. Marina Savtschenko, Krasnodar, Russia
Dr. disc. pol. Alexej Kiseljov, Krasnodar, Russia
Dr. oec. Saida Bersirowa, Krasnodar, Russia

#### Korrektur:

Andreas Becker

## Gestaltung:

Peter Meyer

### Auflage:

№ 3 2013 (Maart) Volume 2 – 500 Redaktionsschluss Januari 2013 Erscheint monatlich ISSN 2195-2183

#### © ORT Publishing

Der Abdruck, auch auszugsweise, ist nur mit ausdrücklicher Genehmigung der ORT Publishing gestattet.

Die Meinung der Redaktion oder des Herausgebers kann mit der Meinung der Autoren nicht übereinstimmen. Verantwortung für die Inhalte übernehmen die Autoren des jeweiligen Artikels.

#### Editor-in-chief:

Stephan Herzberg

#### International editorial board:

Lutz Schumacher, Luneburg, Germany Johannes Pinnekamp, Aachen, Germany Carsten Knockret, Heidelberg, Germany Dietrich Pukas, Bad Nenndorf, Germany Kristina Reiss, Munich, Germany Susanne Stark, Bochum, Germany Marina Savtchenko, Krasnodar, Russia Alexey Kiselev, Krasnodar, Russia Saida Bersirova, Krasnodar, Russia

#### Editorial office:

ORT Publishing Schwieberdingerstr. 59 70435 Stuttgart, Germany

Tel.: +49(711)50432575 Fax: +49(711)50439868

info@ortpublishing.de www.ortpublishing.de

European Applied Sciences is an international, German/English/ Russian language, peer-reviewed journal and is published monthly.

N<sup>o</sup> 3 2013 (March) Volume 2 – 500 copies Passed in press in January 2013 ISSN **2195-2183** 

# © ORT Publishing

5. Регламент по созданию постоянно-действующих геолого-технологических моделей нефтяных и газонефтяных месторождений. РД 153–39–0-047–00, — М.- 2000.

- 6. Тюкавкина О. В., Ешимов Г. К. Построение 3D моделей на основе изучение геолого-геофизических характеристик коллекторов группы АС центральной части Сургутского свода. Сборник материалов VI Международной научно-практической конференции Перспективы развития информационных технологий. Новосибирск: Издательство «СИБПРИНТ».- 2012.
- 7. Тюкавкина О. В., Стреляев В. И. Выделение зон коллектора с трудноизвлекаемыми запасами для месторождений Сургутского свода на основе геолого-геофизических данных//Науки о Земле на современном этапе: Материалы IV Международной научно-практической конференции (25.04.2012). М.: Издательство «Спутник+».- 2012.
- 8. Уолкотт. Д. «Разработка и управление месторождениями при заводнении». М.- 2001 г.

Usenko Dmytro Valerievich, Student of Poltava Yuriy Kondratyuk National Technical University,

Usenko Irina Sergeevna, Assistant Professor of hydraulics,
supply and sanitation of Poltava Yuriy Kondratyuk National Technical University,
Sheverdova Natalia Alexandrovna, Lecturer of Poltava Yuriy Kondratyuk National Technical University,

# Way of ship stability describing in stormy sea using a design automated system AutoCad

Ship stability in a stormy sea description was made and its motions in phase space behavior patterns were analyzed. Geometric approach in the study of ship behavior during the storm was used and on this basis the analysis for different conditions was made. Zones of instability were specified and ship plunging conditions as the intersection of the phase trajectory with the separatrices surface were investigated. To determine the hazardous areas during ship movement a program was written.

The subject of research in this paper is the ship behavior during a storm using graphs describing his movement. The object of study is a mathematical model of a ship during a storm. The purpose of research is to develop practical recommendations that can predict the ship stability during a storm using analytical methods the ship behavior on long intervals schemes analysis. The problem of ships stability is topical because with the help of applied mathematics methods it is possible to determine the ship instability zone. Thereby ensure its safe implementation of its goals. Fundamentals of modern prospective construction ships design demand reducing of the cost for their construction, adjustment of speed ships to cargo operations, operating costs reduction, crew and passengers comfortable living conditions creating, prevention of the environmental pollution, and the maritime traffic security increasing, what is especially important. The practical importance of this research is:

- a graphical approach to the study of ship behavior during a storm and the analysis for different conditions that was made on this basis;
- the ship overturning conditions determining method and its cause by using the phase trajectory intersection with the separatrices surface algorithms and the instability zones allocation;
  - adverse frequency finding, leading to the ship's overturning;
  - drift velocity resistance finding1.

To meet the challenges the applied methods of engineering hydraulics,

differential equations qualitative analysis are used in the study material for the course "Hydraulics" in "Swimming bodies. Archimedes' principle"<sup>2</sup>.

Trim is a longitudinal inclination of the ship. It's said, "trim by the bow" if the deepening of the ship bow is more and the stern deepening is less. In the opposite case, it's said, "trim by the stern." If ship immersion is parallel to designed waterline we say that the ship is "trim on an even keel".

Dynamic stability is ship's ability to withstand, without tumbling, the effect of tilting moment the increase of which to the maximum happens in a short period of time<sup>3</sup>.

Metacenter is a point of pushing force lines intersection that runs through the center displacement, as well as through the longitudinal axis of the ship's symmetry. When the ship tilts metacenter position is changing. Ship stability is guaranteed if the lowest of its metacenters lies above the ship gravity center.

Initial stability is a part of the ship theory which studies ship stability at small tilt angles. The size of heel and trim of the upper deck door edge into the water is taken for the small tilts.

Ship vitality is the ability of a ship to resist natural elements at dangerous level of wave high. Ship vitality is provided by hull design, security devices, systems, hardware, their redundancy, duplication and rational allocation, personnel professional development.

Ship stability is the ship's ability to withstand external forces that cause it to roll or trim, and to return to the original position of equilibrium after their termination.

The displacement is called the weight of the liquid that displaces the body weight and center of gravity in the bulk liquid submerged parts of the body — the center displacement.

Waterline is the line of the fluid free surface intersection from the ship's lateral surface, and the plane inside the body, limited waterline, called the plane diving.

Axis swimming is a vertical axis passing through the center displacement.

Eccentricity is the distance between the center of gravity and the center displacement.

Buoyancy is the ability of the body to float at a certain weight. A measure of the body buoyancy is its displacement or lift.

Ship's direct provision afloat depends on the relative position of the two values: the center of the ship gravity and the geometric center of the ship submerged parts. Thus, a heavy load (metal, ore), located at the bottom of the ship lowers its center of gravity and increases the metacentric height. On the contrary, the heavy load placed on top of the deck, raises the center of the ship gravity and reduces metacentric height. The more metacentric height, the greater the ship stability is, i. e. its ability to recover straight position when a heel (trim) under the action of wind, waves and other external forces<sup>4</sup>.

 $<sup>^{1}</sup>$  Аксютин Л. Р. Аварии судов от потери остойчивости/ Аксютин Л. Р., Благовещенский С.Н//– Л. Судостроение - 1975, 200 с.

 $<sup>^2</sup>$  Войкунский Я. И. Справочник по теории корабля. Т. 2. Статика судов. Качка судов./Войкунский Я. И. //– Л., Судостроение, 1986, 80 с.

 $<sup>^{3}</sup>$  Константинов Ю. М. Гидравлика/Константинов Ю. М.//<br/>– К., 1988–398 с.

<sup>4</sup> Кузнецова И. А. Геометрическая интерпритация и решение задач качественного анализа остойчивости судна на волнении: дис... канд. техн.

If gravity center and metacenter coincide at one point, then the ship will have neutral stability: it will not have restoring force. Tilted to the side, it will remain in the inclined position. Naturally, under the influence of external forces the ship's tilt can grow until the ship overturns. However, a large slope is dangerous even under normal metacentric height. Reaching a very large bank angle  $(-50^{\circ} -70^{\circ})$ , i. e. the so-called angle of approach, when the deck is submerged, the ship is unable to stand up straight and overturns. It happens because metacenter is below the center of gravity and instead of stability moment the ship is influenced by overturning moment.

Causes of the ship stability loss is extremely diverse. One of them is when the ship sails on following waves, and the speed of the ship and its length is approximately coincide with the speed and length of following waves. At that time the ship is on the crest of a wave with its middle part, and its bow and stern are out of water, causing ship support force in the normal position reduction and it can easily turn over. Associated wave is of the same danger for small ships when the wavelength is longer than the ship length, but their speeds coincide<sup>1</sup>.

Critical slope after which the ship overturns is equal to static stability chart approach corner. Then separatrix, constructed for autonomous movement, can be regarded as the limit curve that defines the ship stability limit. Overturning moment coincides with the intersection point of the separatrix phase trajectory.

Ships stability study is a complex process that requires research general technology, which includes all the features of the problem, starting from its formulation to the results documentation. The ship stability process study should contain such elements as analysis, synthesis and informative assessment of the proposed solutions.

Methods of the ship stability predicting in rough seas should be:

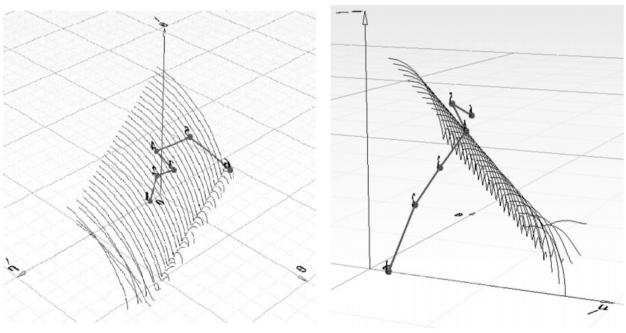
- a) pretty common, suitable for all types of surface ships study;
- b) available for study and use;
- c) flexible and expansible;
- d) ensure reliability, speed, efficiency in the instability zones finding in specific situations.

Methods should be simple, convenient, provide all the system functionality and eliminate discomfort for user in any system state<sup>2</sup>.

Figure 1 shows the ship behavior. Point 1 shows the beginning of the ship movement. In the period from point 1 to point 3 the ship has an increase in the angular velocity, bank angle and drift speed. The interval from point 3 to point 4 for the ship was critical. There was increase in bank angle, angular velocity and drift velocity. The simultaneous increase of these parameters leads to its overturning. Point 4 is the point of intersection of the ship behavior phase trajectory to the surface of separatrices and is the overturning point<sup>3</sup>.

The interval between the point 4 and point 6 shows the ship behavior after the loss of stability. A gradual decrease in the angular velocity and the drift velocity is taking place. At this time, the angle of heel is rapidly increasing. Each point on the graph is a certain coincidence of parameters in the ship movement<sup>4</sup>.

- Step 1. Entering initial data.
- Step 2. Using a computer-aided design (CAD) AutoCad as a basic program with the autonomous motion separatrices construction for a ship with preset parameters, the programming language AutoLISP, create a new file «stability».
  - Step 3. Asking the initial parameters for determining the ship stability: the ship length, its speed and width.
- Step 4. CAD AutoCad maths performs calculations on the raw data is a point builds surface separatrices autonomous movement, and ship behavior chart.
- Step 5. According to these data the ship state can be determined. By the ship state is understood its position in space, drift velocity, roll angle and angular velocity.
- Step 6. To visualize the model use mode 3-D modeling "Limited orbit." This mode allows you to observe the ship behavior in 3-D space using any angle of view.



наук: 05.01.01; 05.08.01/Севастопольский приборостроительний институт; Киевский Ордена Трудового красного знамени инженерно-строительный институт. – К., 1992. – 128 с.

<sup>&</sup>lt;sup>1</sup> Renilson, M.R., "Assessment of ship stability using dynamics" 2001, p. 10 c.

<sup>&</sup>lt;sup>2</sup> Galeazzi, R,Vidic-Perunovic, Blanke, M, J, Jensen, JJ, (2008). <sup>o</sup> Stability Analysis of the Parametric Roll Resonance under Non-Constant Ship Speed <sup>o</sup>, p. 12

<sup>&</sup>lt;sup>3</sup> Vidic-Perunovic, J, Jensen, JJ, (2009). "Estimation of Parametric Rolling of Ships – Comparison of Different Probabilistic Methods", p. 36

<sup>4</sup> http://www.diveclub.lv

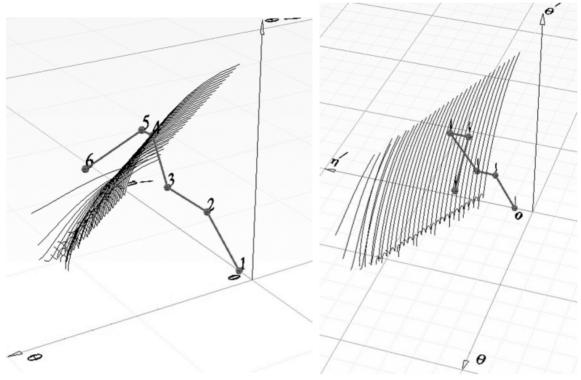


Figure 1 View from different angles of the separatrices surface and ship behavior graphics

#### Conclusions:

- Prediction of the ship stability during the storm was studied with the help of the ship motion in phase space schemes analysis using CAD AutoCad.
  - 2. Geometric approach to the ship behavior during a storm study was applied and the analysis for different conditions was made on this basis.
- 3. The ship overturning conditions as the intersection of the phase trajectory with the separatrices surface and the allocation of instability zones were studied.

# Список литературы:

- 1. Аксютин Л. Р. Аварии судов от потери остойчивости/Аксютин Л. Р., Благовещенский С.Н// Л. Судостроение 1975, 200 с.
- 2. Войкунский Я.И. Справочник по теории корабля. Т. 2. Статика судов. Качка судов./Войкунский Я.И.// Л., Судостроение, 1986, 80 с.
- 3. Константинов Ю. М. Гидравлика/Константинов Ю. М.// К., 1988–398 с.
- 4. Кузнецова И. А. Геометрическая интерпритация и решение задач качественного анализа остойчивости судна на волнении: дис... канд. техн. наук: 05.01.01; 05.08.01/Севастопольский приборостроительний институт; Киевский Ордена Трудового красного знамени инженерно-строительный институт. К., 1992. 128 с.
- 5. Renilson, M. R., "Assessment of ship stability using dynamics" 2001, p. 10
- Galeazzi, R, Vidic-Perunovic, Blanke, M, J, Jensen, JJ, (2008). Stability Analysis of the Parametric Roll Resonance under Non-Constant Ship Speed p. 12
- 7. Vidic-Perunovic, J, Jensen, JJ, (2009). "Estimation of Parametric Rolling of Ships Comparison of Different Probabilistic Methods", p. 36
- http://www.diveclub.lv

Khusnullina Aliya Rafaelevna, the State Marine Technical University of St. Petersburg, postgraduate student, Department ecology of industrial zone and water area

Хуснуллина Алия Рафаэлевна, Санкт-Петербургский государственный морской технический университет, аспирант кафедры экологии промышленных зон и акваторий

# About granary technology of construction of oil wells

## Об амбарной технологии строительства нефтяных скважин

Интенсивные темпы освоения нефтяных месторождений Западной Сибири, стали причиной того, что в 90-х годах прошлого столетия специалистам-экологам пришлось решать ряд проблем, связанных с утилизацией отходов бурения, которые в то время складировались в земляные котлованы — шламовые амбары.

Шламовый амбар — это природоохранное сооружение, предназначенное для централизованного сбора, накопления и захоронения отходов бурения (рис. 1).

Мощость амбара определяется количеством токсичных промышленных отходов, которые должны быть приняты в амбар в течение года, и методами их обезвреживания или утилизации. Габариты амбара определяются расчетными сроками накопления токсичных отходов. Глубина амбара составляет в основном 2–4 м, но, в зависимости от конкретных производственно-технических условий, их глубина может варьироваться в большую или меньшую стороны.

# Содержание

Section 1. Technical sciences
Andreadi Olga Yevgenyevna
Developing architecture of e-Portfolio for implementation in different educational institutions
Anisimov Vladimir Nikolayevich
Predicting the Properties of Linear Block-Polyurethanes through Percolation Models
Bobukh Aleksandr Sergeevich
Analysis of the formation of structure in cold-rolled pilgernoy depending on the degree of deformation
Glushkova Diana Borisovna, Voronova Yelizaveta Mikhailovna, Rak Larisa Nickolaevna
The Choice of Steels to Increase Service Durability of Mining Equipment
Jumanova Miyasar Ortikovna, Namazov Shafoat Sattarovich, Beglov Boris Mikhailovich
Complex fertilizers with humin produced from Angren brown coal and Kyzylkum phosphorites
Ignat'ev Victor Mihailovich
Models of productivity of crops
Kletsel Mark Yakovlevich, Kabdualiyev Nariman Maratovich, Shahaev Kuanysh Tuleugazievich
Way of protection of group of elements of electrical power systems from short circuit to earth
Lukashevich Viktor M., Vasilyev Alexsey S.
Planning of technological process of forest harvesting considering seasonality of works
Martirosyan Ani Mushegovna
Information system on the nomenclature of medicines in the pharmacy business
Moshchenok Vasil Ivanovitch, Bondarenko Svetlana Ivanovna, Kukhareva Iryna Yevgenivna,
Demchenko Segey Vladimirovich, Moshchenok Andrey Vasilievich
Analysis of Some Problems of Material Hardness Determination
Mungin Andrey Aleksandrovich
The influence of the friction forces on the tensile strength of brittle materials for tests on axial compression brittle samples
Nechaeva Elena Sergeevna, Popov Dmitry Mihaylovich
Ablation of drops of liquid in rotor raspyliteln dust collector
Novitskyi Iurii Yaroslavovitch
Accounting of the large-diameter pipelines strength in case of local contact interaction with support rollers 34
Pryanichnikova Valeria Valerevna
Particular qualities of biological recultivation of oil sludge storages
Ravshanov Normakhmad, Mamatov Narzullo, Kurbonov Nozim, Akhmedov Dilshot
Parallel computing algorithm for solving the problem of mass transfer in porous medium
Samodelkina Svetlana Viktorovna
Structure interaction subsystems implement failover networks
Monakhov Yuri Mikhailovitch, Semenova Irina Ivanovna, Medvednikova Maria Alexandrovna
Kostina Natalia Vasilievna
Automated method of assessment of psychosemantic profile of social networks users
Smolnikova Farida Harisovna, Asenova Bahitgul Kazkenovna, Kazibaeva Galiya Tuleovna,
The used of flower pollen in the production of baked products of functional purpose
Stupnytskyy Vadym
Computer aided machine-building technological process planning by the methods of concurrent engineering 50
Toshpulotov Nusratullo Telmanovich
Ecological pure technology of annihilation nematods
Tashpulatov Jasur Nusratilloevich
Energy factor of the synchronous engine under variable frequency of management
Tyukavkina Olga Valeryevna
Technology of creation of geological model for a litology-complexly built collector (on the example of IOC layer
of a field of the Surgut arch)
Usenko Dmytro Valerievich, Usenko Irina Sergeevna, Sheverdova Natalia Alexandrovna
Way of ship stability describing in stormy sea using a design automated system AutoCad
Khusnullina Aliya Rafaelevna
About granary technology of construction of oil wells
Shevchenko Sergey Nikolaevich, Odinczov Viktor Ivanovich
Radiation of the perforated cylinder
Section 2. Chemistry
Azizjanov Khushnud Maksudovich, Ruzmetov Abror Khamidjanovich,
Synthesis and study of complex compounds nicotinate cobalt (ii) with acetamide and urea

Baikenov Murzabek Ispolovich, Akhmetkarimova Zhanar Samatovna, Ma Feng Yun	
Hydrogenation of model objects and the fractions of primary coal tar	71
Mammadova Saadat Abas, Yagubov Ali Ibragim, Nuriyev Ali Najafkulu, Muradova Nushaba Mamedali ogli,	
Geydarzade Gulshen Mardan, Efendiyeva Narmina Geydar Waking aut, studying and testing carbide coverings for steel products	74
Melikova Irada Gasan, Gafarov Shamil Azim	/4
The generalized special theory of relativity	76
Starosvitskyy Oleg Vasilevich, Dmitrenko Julia Aleksandrovna, Mamchenko Alexey Vladimirovich	
The prospects of using saponite for water treatment and study of its properties	80
Section 3. Economics and management	.83
Bakeeva Ioldyz Rafilevna	
Study of the notion of crisis of the organization	83
Bezrodna Stella Nikolaevna	
Product quality management of restaurant services in Ukraine: issues of grounding	85
Bogolib Tetiana Maksimovna	
The public sector of mixed economy in modern world.	89
Bukharina Lyudmila Mikhailovna	02
Problems of strategic planning of regional development	93
Genesis of principles "All Finanzkonzepte" in Ukrainian credit– insurance institutions "Dniester" on the edge	
XIX — XX centuries	97
Hohol Tatiana Anatoliivna	
The organization of management accounting at the enterprises of small business	100
Grinchenko Kristina Viktorovna	
Technology of system of marketing communications in the formation of the tools IMC	104
Yevtushenko Alexander Nikiforovich, Andriyash Viktoriya Ivanovna, Petro Mohyla	100
Ukraine in the context of globalization	106
Competition Policy in the EU: Bases and Directions of Development	108
Kinash Iryna Petrivna	100
The transformational reforms of publishing infrastructure in Ukraine	111
Kyryliuk Dmytro	
Assessment and prospects of Ukrainian consumer poultry market	113
Kocherga Nicolai	
The environmental audit criteria formation in agricultural sector	116
Role of control in the system management of joint venture without forming a legal entity	118
Lazur Sergey Petrovich	110
Optimization of the tax burden in the context of the anti-crisis measures	121
Lintur Inna Vladimirovna	
Impact taxes on activation investment in transformational economy of Ukraine	124
Lunina Inna Alexandrowna	
Institutionelle Voraussetzungen zur Transparenz und mittelfristiger Tragfähigkeit der öffentlichen Finanzen in	
der Ukraine	127
The use of market-based instruments of monetary regulation of the economy in unstable conditions	131
Momotyuk Lyudmila	131
The financial account in the system of national accounts of Ukraine and prospects of its development	133
Nezhenets Oksana Petrovna	
Background of the development of the enterprises of sugar-beet subcomplex of Ukraine	135
Orlova Valentyna Aleksandrovna	
Factors and features of development and support for small and medium businesses under globalization	105
conditions	137
Pecherskaya Evelyna The optimization mesures to support regional business	140
Popova Inna Vyacheslavovna	140
Improvement prudential supervision in the insurance industry	143
Prokofieva Katerina Vasilevna, Krasnova Viktoria Vasilevna	
Die Koordination der Subjektsinteressen bei der Bildung der Nebenkostentarife	147
Ryndzak Olha Tadeyvna, Makhoniuk Oleksandr Volodymyrovych	
Social capital of the Carpathian region in sociological measuring	149

Sabadosh Lubomir Y.
The current status and future of tax adjustment of business
Selevko Ievgeniya Alexandrovna
Actually of labour potential in the conditions of innovate development
Slynchuk Christina Pavlovna
Innovations in the system of providing the competitiveness of agricultural enterprises
Stepanenko-Lypovyk Bohdana, Shumska Svitlana
Green business: from theory to modern concepts
Fedotova Tatiana Anatolievna, Parshina Anastasia
Assessment of practical confirmation of the classical labor supply theory in post-Soviet space
Fetsovich Tatiana Romanova
Modeling of factors on the financial impact of strategic business analysis method
Shwets Liudmyla Ivanivna
Accounting Treatment of Pension Plans Elements at Ukrainian Enterprises
Shkarupa Elena Vasilyevna, Gimpel Viktiriya Vladimirovna
Activation of eco-focused cluster development of economy of Ukraine
Section 4. Science of law
Abdulganeev Renat
Die gründe der Erscheinungsform des religiösen Extremismus in der modernen Gesellschaft
Bizhanova Aigul Rabchanovna
Prospectus of carrying out the emission securities
Vavzhenchuk Serhiy Yaroslavovych
Limits of defense and protection of employees' constitutional labor rights by trade unions
Danyliuk Mykola Ivanovych
Professional deformation of a judge: arising determinants and preventional methods
Dzhansarayeva Rima Yerenatovna, Romashov Roman Anatolyevich
Understanding of state policy in the field of crime and punishment
Doktorova Alexandra Trofimovna
Recall of a high official of the Russian Federation entity
Kondratenko Vitaliy Nykolaevych
Law Regulation of Publicity of Administrative legacy in Some Countries of European Union and Union
of Independent States
Lorenz Dmitrij Vladimirovich, Alekseeva Regina Sergeevna
Hypothek, Rentenschuld und Reallasten: die Erfahrung Deutschlands, der Schweiz, Frankreichs und die
Reform in Russland
Nutrikhin Roman Vladimirovich
Legal regime of Lutheran church lands by the legislation of the Russian Empire
Sevryukov Dennis Georgiyovych European social model (ESM) and politics of it's implementation
Stolbovyi Yurii Mykolayovych  Definition of the Concept of Principle in Administrative Local Proceedings in Ultrainer Scientific Point of View 2014
Definition of the Concept of Principle in Administrative Legal Proceedings in Ukraine: Scientific Point of View 204  Tauekelov Nurlybek Bakytbekuly
The verdict of the people's power and their variants
Chorna Juliia Viktorivna
Bankruptcy law as a mechanism for effective regulation
Shlyundt Nadezhda Yurevna
National security of the Russian Federation in a context of legal regulation of special economic measures 211
1 median security of the reasonal reactation in a context of regal regulation of special economic incastics 211