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## **CURRENT COLOR SOLUTION FEATURES IN INTERIORS ON MODERN SHIPS**

*Abstract: A color is one of the main compositional techniques which are used to design the vessel interiors. It provides ability to balance the physiological and psychological comfort. Interior color palette will vary depending on the purpose of the vessel. The color palette on the cruise ship is aimed at leisure passengers. The existing priority of colors on a cruise ship – beige – brown. Choice of color in the interior it depends on the preferences of the owner on yachts. The main color used in yacht interiors – white. The interior color solution of cargo ship depends on the funds allocated by the owner and solutions of the captain. Analysis indicates the existence tradition in the color scheme of the interior courts and the lack of existing accounting of the latest scientific advice on the use of color in the design of interior.*

*Color solutions in the interiors of the considered types of vessels determined through visual – graphical analysis of the 1000 images and conduct a survey of seafarers working on different types of ships.*

*Key words: sea vessel, interior, color solution, comfort, modernity, type of ship, cruise ship, yacht, boat cargo, purpose vessel.*

**Problem statement.** For some people the sea vessel is a luxury and associated with leisure and travel, for others it is a work and hard psychological and physiological stresses. With time the need and interest in sea transport increased when both types of people increase. The ship is modernized by its architecture and

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structures. Interior here is frozen in time. Interiors on sea vessels depend entirely on its function and design accordingly. It is almost impossible to change the shape of the berth and public rooms, berth-companies, technical facilities. Therefore, psychological and physiological balance can be achieved through color.

**Analysis of recent researches.** In publications Pavlyuchenko Y. M., Pavlihina E. D., Yudkinoy U. V., A. A. Funtusova and others on various types of ships, not enough attention is paid to interior design component of the courts analyzed [2].

The authors previously considered interior features such sea vessels as: cruise, yacht, cargo and small-displacement vessels. G. R. Sharafutdinov in his works considered the interiors of yachts and their features [1]. He compared yacht interiors with residential interiors. There he spoke about the color. Color solution investigated not enough in the interiors of vessels with an emphasis on design and the psychological state of the person

There are many publications concerning color in the interior in specific ship design options, such as the description of 695 yachts projects [5]. Most of these publications are aimed at one-off specific recommendations on modern design, rather than the analysis of the existing color scheme in the interiors vessels.

**Article purposes:** to identify the features of the existing color solutions in modern sea vessels.

**The main part.** It was analyzed 1000 pictures of various interiors on sea vessels when writing the article. It was held a sociological poll among Ukrainian seamen working on the Ukrainian courts and courts of foreign companies. The poll was carried out gradually for three years. In total polled 126 sailors command ranks of the vessels. Besides ships working in the Black Sea, received information about the interiors of the vessels of the Greek and Russian companies working in the Pacific and the Atlantic Ocean, the Mediterranean Sea, the Persian Gulf; Norwegian company, operating in the the North Sea and ocean Atlantichekom.

Vessels analysis showed that for different types of vessels will be used different colors. Color solution similarly depends on the functioning room.

Image analysis showed that cruise ships are characterized by three color palettes, which are often used: beige-brown – 64%, burgundy-red – 22% and “sea wave” colors – 14% (Fig.1).



*“Carnival Splendor”. Carnival Cruise Lines Company. Italy. 2008.[6]*



*“Carnival Ecstasy”. Carnival Cruise Lines Company. Finland. 1991.[6]*



*“Carnival Glory”. Carnival Cruise Lines Company. Italy. 2006.[6]*

*Fig.1. Color interior solutions on cruise ships*

Heavy interiors are accenting the use of beige and brown tones, for a sense of strength, reliability and comfort on vessel. Such a combination of interior and colors is considered as successful because brown color is associated with the ground. Land inspires reliability in this situation. This interior is more suitable for passengers who experience anxiety, emotion, and for people looking for relaxation and tranquility. But precise recommendations relating specifically to the need to use it a priority brown color in the interior vessels, the authors of the article are not found. There may be problems of perception of certain colors in the interior of the vessel. For example, a well-known problem with color “cocoa with milk”: the influence of the oscillation process under the shade.

Burgundy-red spectrum is a mixture of red and brown and contents of these colors energy. Brown is the color of peace, the red is contrary excitement. Therefore, this combination creates an impression of the luxurious interior. It creates a festive mood, and a person gets energy and improved mood. This is a strong emotional

spectrum for stimulating people to vigorous actions, activity, energy and life. It adds confidence, gives a feeling of safety and security when the person is in society.

On cruise ships “sea wave” color palette interiors is used to indicate the all passengers for sea vacation. Color of sea wave covers a wide range of palette. This color is never boring. It can be as warm as cold, ranges from deep blue-green tint to the light, almost aquamarine one. This color is nice for human perception and looks great in the interior.

It can be seen certain patterns of color on cruise ships, but it is not enough to complete the psychological balance of passengers.

Image analysis showed that in yacht interiors are tending to choose such colors: brown – 23%, beige – 28%, white – 43% and gray 15% (Fig.2).



*“RedDragon”.*  
*WilmotteAssociates.*  
*New Zeland 2008.[7]*



*“VICEM 96*  
*CRUISER”*  
*VicemYachts. Turkey*  
*2014.[8]*



*“BellaAnna”.**Franc*  
*is Zuretti. Great*  
*Britan 2012.[9]*

*Fig.2. Color solution of yachts interiors*

These colors help to create the most comfortable atmosphere on a yacht. It is known, that brown color is a symbol of confidence, reliability and stability. It is a natural color. Beige color is perceived as timeless classic. This color eliminates aggression, acts relaxing and soothing. Shades of beige color promote the full quality rest and diluted azure of the sea. Beige has a warm, quiet and calm energy. Designer creates an environment for complete relaxation of the customer by choosing a color for the interior of yachts.

White color gives lightness and transparency to the interior. It is the color of freedom and security that brings peace and good for European and tranquility for Japanese. White interior is always stylish, for a variety of colors bright accents can be added. Great importance is given to the white interiors using different materials and textures. Gray color promotes moderation and harmony. The interiors of yachts in these colors look noble and elegant.

Only in the private vessels can be seen interiors development, but the color decision often depends on the wishes of the customer.

Interiors for cargo ships made with reference to save space (Fig.3).



*“LARISSA”. Company R/V  
Araon. South Korea 2010.[10]*



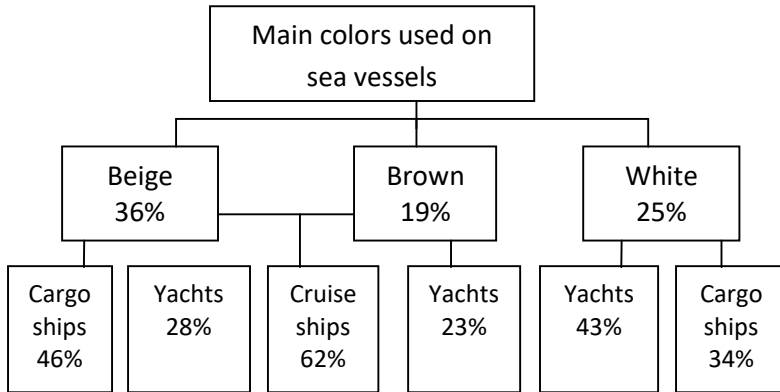
*“HHL VALPARAISO”.  
Hansa Heavy Lift. Monrovia  
2010.[11]*

*Fig.3. Color interior solutions for cargo ships*

The berths are basically divided into double and quadruple. Color palette is different on board. It all depends on the owner, allocates funds and individual perception, and the choice of captain. On the cargo ship in berths do not think about the comfort of the workers, the main speaker aspect is a saving budget. This reduces the efficiency of the crew.

Priority colors in using at this moment are showed at the images. They are white – 34% and beige – 46%.

Analysis of various types of sea vessels showed that the most used colors in the interior are beige – 36%, brown – 19% and white – 25%.



*Fig.4. Analysis of color on a sea vessel*

On cruise ships the most used is a beige-brown gamma – 64%, in a yachts it is beige – 28%, brown – 23% and white – 43%. In cargo ships the most used colors are beige – 46% and white – 25%.

**Conclusions.** Depending on the purpose of ships and facilities thereon selected color in the interiors will be different. It was identified the most commonly used color in all types of vessels: beige, white. On a cruise ship priority is given to beige-brown gamma – 64%. The main color in the interiors on yachts is white – 43%. It is not given much attention to color in the interiors on cargo ships, but the shades of beige are used most often.

**Research perspectives.** The using of color can improve emotional state of a person on board. Similarly, with its help can be achieved the desired effect: if it is a work boat, then the level of efficiency can be increased. On a cruise ships the psychological burden can be reduced. On private ships it helps to combine customer wishes with colors that give psychological relief.

Perspectives of color solution research in the interior of the sea vessel should be linked to advice on choosing colors.

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### **Transliteration**

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***Аннотация:***

**Кузнецова И. А., Шепель А. В. Особенности существующего цветового решения в интерьерах современных морских судов.** Цвет является основным из композиционных приемов, используемых для создания интерьеров морских судов, позволяет сбалансировать физиологические и психологические особенности. В зависимости от назначения судна и помещений цветовое решение интерьеров будет меняться. На круизных судах цветовое решение направлено на отдых пассажиров. Ныне существующая приоритетная цветовая гамма на круизных судах – бежево – коричневая. В яхтах выбор цвета в интерьере зависит от предпочтений владельца. Основной используемый цвет в интерьерах яхт – белый. Цветовое решение интерьеров грузового судна напрямую зависит от решения капитана и средств, выделяемых владельцами. Анализ показал на существующие традиции в цветовом решении интерьеров судов и отсутствие учета последних научных рекомендаций по использованию цвета в интерьере при современном проектировании.

Цветовое решение в интерьерах рассмотренных типов судов определялось благодаря визуально – графическому анализу 1000 изображений и проведенному опросу среди моряков, работающих на разных типах судов.

***Ключевые слова:*** морское судно, интерьер, цветовое решение, комфорт, современность, тип судна, назначение судна и помещений, круизной судно, яхта, грузовое судно.

***Анотація:***

**Кузнецова І. О., Шепель Г. В. Особливості існуючого кольорового рішення в інтер'єрах сучасних морських суден.** Колір є основним з композиційних прийомів, використуваних

для створення інтер'єрів на морських судах, що дозволяє збалансувати фізіологічні і психологічні особливості. Залежно від призначення судна і приміщень колірне рішення інтер'єрів буде змінюватись. На круїзних судах колірне рішення направлено на відпочинок пасажирів. Нині існуюча пріоритетна кольорова гамма на круїзних судах – бежево – коричнева. У яхтах вибір кольору в інтер'єрі залежить від уподобань власника. Основний колір, що використовується в інтер'єрах яхт – білий. Кольорове рішення інтер'єрів вантажного судна безпосередньо залежить від коштів, що виділяються власником, та рішенням капітана. Аналіз показав на існуючі традиції в кольоровому рішенні інтер'єрів судів і відсутність обліку існуючих останніх наукових рекомендацій по використанню кольору в інтер'єрі при проектуванні.

Кольорове рішення в інтер'єрах розглянутих типів суден визначалося завдяки візуально – графічного аналізу 1000 зображень і проведеному опитуванню серед моряків, що працюють на різних типах судів.

Ключові слова: морське судно, інтер'єр, кольорове рішення, комфорт, сучасність, тип судна, призначення судна і приміщень, круїзне судно, яхта, вантажне судно.

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