

device without the need for a tethered wired connection. Inductive charging is the most popular form of wireless charging for mobile devices, and leading the way is the Wireless Power Consortium, with their Qi Open Interface standard. Using fundamentally the same technology, other groups are incorporating inductive charging technology for use in electric vehicles.

An inductive charger consists of only a few parts: AC current from the wall, an oscillator electrical circuit, and the transmission coil. The transmission coil is a tightly wound copper element that, as the alternating current passes through, would produce a magnetic flux. The magnetic flux density is based on things like the number of turns in the wire, the diameter of the transmission coil, the distance from the coil and other properties, such as current. On the receiver's end the process is basically the same, except opposite. In the receiver device, a coil of the same type is embedded into the charging circuit. The alternating magnetic field is picked by the receiving coil, and a current is induced. The AC power is passed through a power rectifier and stabilizer to convert it into DC power the phone can use to charge the battery. Both the transmitter and the receiver have electrical resonant frequencies, designed to be the same.

The sharpest engineers in the energy field are still working at this problem digging deeper into the technology and beyond.

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GRAPHIC DESIGN IN OUR LIFE

Nowadays, the concept of “design” has expanded its boundaries so much that it is already difficult for us to imagine the world around us without it. Design has penetrated all spheres of human activity. This also applies to such a type of design art as graphic design. We encounter its manifestations everywhere – we buy newspapers, books and glossy magazines, pay attention to leaflets, labels and colorful posters, and deal with graphic design in printing and the Internet.

Graphic design has turned into a process of changing the visual-communicative environment that surrounds a person in everyday life. Graphic design - shapes views and affects a person's life. Today, graphic design is an entire science that combines the prudence of an analyst with the creative abilities of an artist.

Graphic design is aimed at solving a number of problems:

1. Sell a product, attract a customer.
2. Form a high-quality artistic environment.
3. Feel responsible because graphic design – forms tastes and affects a person's life [1].

The purpose of graphic design is to visualize information intended for mass distribution through printing, film, television, as well as the creation of graphic elements of the subject environment and products.

Graphic design is one of the most important means of communication in the modern world. For successful promotion of goods on the market, it is necessary to understand the laws, principles and features of the visual language of graphic design of packaging, to be able to use them correctly in order to increase the effectiveness of advertising campaigns and increase sales of products.

So, modern graphic design is a dynamically developing area of professional activity, to which the interest of youth is constantly growing from year to year.

REFERENCES

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NATURAL SELECTION PORTRAYED BY AI

So, what is the natural selection and how is it connected with programming?

Natural selection is the process whereby organisms better adapted to their environment tend to survive and produce more offspring. The theory of its action was first fully expounded by Charles Darwin, and it is now regarded as be the main process that brings about evolution.

It means that the more you are adapted to your environment the more progeny you will have. This is the index of success (at least in biology). Being adapted means being able to survive for quite a long time and to produce another life. That will be requirements for our program. The envi-