

2010 年 1 雅思阅读真题题源文章精选

题源文章，是指与考试当天的阅读文章话题一致，且内容和结构安排高度相似的文章。阅读题源文章，对于了解雅思考试阅读文章的特点，训练阅读能力，提高阅读速度，扩大词汇量和知识面有非常大的帮助。

以下是朗阁海外考试研究中心精选的 2010 年 1 月份雅思考试阅读真题题源文章，供广大考生阅读学习。

Face Recognition

(1月14日阅读考试第1篇题源文章)

Researchers say they have improved the accuracy of automatic face recognition systems, which are being used more and more by crime prevention and national security agencies. The investigators have created what they call an "average face" that, they say, allows the machines to make a correct identification in every case.

Experts say that automatic face recognition systems, in which a computer attempts to recognize an individual by checking his or her face against thousands of images stored in a database, are gaining in popularity, but are not very reliable.

There won't be a match if the person's face is not contained in the database, or a match may be overlooked if a picture that is in the database looks sufficiently different than the individual standing in front of the system's electronic eye. Experts say that's because the stored photograph may be several years old and bear little resemblance to the individual, or the pose or light may be different.

Psychologist Rob Jenkins of the University of Glasgow and his colleague Mike Burton believe they solved the problem.

They randomly gathered 20 images of 25 famous male celebrities on the internet and fed the photos into a face recognition system that had a database of 31-thousand photos of famous faces. The recognition system accurately identified the individuals about half of the time .

The researchers then created what they call an "average face" of each celebrity by taking his images and averaging them out. They did that by removing "unhelpful" aspects of the images, such as lighting effects, and highlighting structural features of the face, Jenkins said.

"So, what we were able to show is that if you take these highly variable images, and apply the averaging process to them, then the recognition performance goes right up. In the study we reported, it goes from 54 percent, which is the performance that it got on standard photographs, up to 100 percent. So it's a really huge leap," she said.

Jenkins sees no reason why "average face" photos could not be made of

everyone and used for identification purposes. He says the average faces could also be used with existing face recognition technology for use, say, at airport check points.

To be sure, the Scottish psychologist is ready. He made an "average face" image of himself using 20 different images. "What's striking to me is how bad a likeness my passport photo is and how good a likeness the average image is. Certainly, think if I were at customs deciding whether to admit myself or not, I think I would have to say 'no,'" he said.

相关词汇

face recognition 脸部识别

security agencies 安全机构

make a correct identification 做出正确识别

reliable 可靠地

match 匹配

overlooked 忽略

sufficiently 充分地，完全地

resemblance 相同点

randomly 随机地

celebrities 名人

highlight 强调

variable 可变的

leap 跳跃

likeness 想象

customs 海关

部分考题还原：

True/False/Not Given

1. Average face is impossible to create. (TRUE)
2. The images of some well-known people are collected with deliberate selection.(FALSE)
3. The face recognition system accurately identified the majority of the faces.(FALSE)
4. The face recognition system would be beneficial to the customs process.(NOT GIVEN)

Environmental-friendly Cars

(1月14日阅读考试第3篇题源文章)

A HEV or a hybrid electric vehicle is an electric engine that generates electric energy and is combined with an engine that uses some other type of fuel, in other words hybrid cars work on a dual engine. Different hybrid cars comprise of a different operating system designed by its manufacturers. Hybrid cars have their own pros and cons.

One of the major breakthroughs in the automobile industry is the development of interior ignition engine vehicles. This technology has enabled energy saving and given rise to a vehicle that is environment friendly. Hybrid cars are the result of this technology and today you have cars that are very convenient to use.

Hybrid cars protect the environment and save a lot of energy bringing down your gasoline bills. Hybrid cars emit less toxic pollutants into the atmosphere there by reducing the hazards of global warming.

The hybrid car has been developed using technology that is battery powered. One of the main disadvantage of an hybrid car is that its functioning depends on the batteries that have a limited range. The batteries are used to store and generate power and the extended ranges of hybrid cars also have a heat engine-powered generator.

The battery power and the heat engine power are designed for a particular purpose; it regulates any extra heat that is generated between the battery power systems and the heat engine. The amount of heat generated depends on the way the car is driven.

Electric cars have been recognized and have found a place for themselves in the automobile industry. In many ways a train that runs on electric power is much faster and better than the normal train and even the source of energy it uses cannot be matched with any other source. Vehicles that run on electricity as their main source of energy are easy to handle, low on maintenance and save a lot of fuel.

Though there has been a constant development in this field, there has been a growing awareness in upgrading the technology used in hybrid electric vehicles, making them more environmental friendly, and easy to use.

People use both public as well as private modes of transport; the private mode

of transport is very important and most convenient. Vehicles that use electricity save a lot of fuel as they consume less gasoline or any other type of fuel. When compared to the contemporary vehicles HEV is more energy efficient. If you exactly gauge the vehicle energy usage and energy chain efficiency then you will get to know that cars that use electricity are 10 to 30 percent more efficient when compared to cars that use other kinds of fuel for running.

Technology has definitely evolved since the advent of electric vehicles in the automobile industry. There are a lot of new developments that may be expected in the future as hybrid cars have a developed power system. Electric vehicles are not only a source of economizing energy in the future but also these electric generating plants can use fuels that are not meant for portable power systems to generate energy. By using alternative fuel to produce electricity there will be a lot of economic advantages and this may also lead to the production of different forms of energy resources.

The hybrid car is the car of the future and we can get it today - its features like fuel efficiency and environmental friendliness are making it more and more popular. With the use of hybrid cars it has become easier to control pollution and one could benefit economically too.

Toyota Motor Philippines (TMP) announced over the weekend that it is strengthening the local completely knocked down (CKD) segment in the country. "We are going to focus on CKDs," TMP vice president Rommel T. Gutierrez told The Star in an interview. According to him, this would be the focus of the car company's initiative next year. Meanwhile, TMP declined to comment on the effects of Toyota Motors Corp.'s (TMC) decision to cut its sales forecast owing to the slowdown in demand in the United States and European markets.

The Japanese group, which includes Daihatsu Motor and Hino cars, now expects to sell 9.7 million cars and trucks in 2009 or 700,000 fewer than its previous forecast.

It was also not clear as to whether the slackening of demand in other countries and the global financial crisis will have a direct effect on the plan of the firm to introduce hybrid vehicles here.

Earlier, TMP said the government needs to give more incentives to companies going green like those importing hybrid vehicles. TMP president Hiroshi Ito said it is very costly to import hybrid vehicles. "The government needs to give incentives." According to Ito, they have not formally asked the Board of Investments (BOI) for incentives to import hybrid cars, but he said Toyota is willing to spearhead the move to get more perks for being environmental friendly. Ito said should Toyota decide to sell hybrid vehicles in the Philippines,

the price will be similar to other countries. However, he said the cost of importation would definitely increase the prices because right now it is very expensive. Per their website www.toyota.com, a hybrid Camry starts at \$9,145, Prius \$22,000 and Highlander \$27,600.

Even though hybrid cars are more expensive, Ito said they have been getting inquiries regarding hybrid vehicles. "There is a demand," Ito said, adding they project to sell 50 units per month should Toyota finally decide to sell hybrid vehicles in the country. "He said there are concrete plans (to bring hybrid vehicles in the Philippines) but it has not yet been finalized." "The product is not yet ready," he added. He said one of the reasons why they haven't driven on hybrid cars are the road conditions. Ito said there are a lot of roads here that are not suitable for hybrid cars. He noted that hybrids should not be driven on rough roads. The climate and temperature must also be considered, he added.

相关词汇:

Dual 双重的

operating system 操作系统

automobile industry 汽车工业

hybrid 混合的

gasoline 汽油

hazard 危险

battery 电池

maintenance 维护, 保养

contemporary 目前的, 现在的

initiative 主动性, 行动

slackening 减少

incentive 激励措施

concrete 具体的