The cause of electrostatic shock when it is cold and how to prevent it

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According to physics, when two surfaces are insulators in contact, electrostatic shock will occur. They will then accumulate electricity and, if touched by a conductor, like a metal rod, will cause an electrostatic shock.

Electrostatic shock is a frequent occurrence in the winter. Photo: Busy.

There are many insulators in our home, the most frequently used woolen carpets, rubber soles or plastic soles of shoes. Wearing rubber / plastic soled shoes and walking on wool carpets will cause the human body to build up electricity. Meanwhile, if you touch the conductor will be shocked electrostatic.

In the cold winter, the air is very dry, so it is also an insulator, causing frequent electrostatic shock.

Lifehacker has provided a number of ways to prevent electrostatic shock in the winter.

Pay attention to the material of clothes, shoes, interior. Use leather loafers instead of rubber loafers, strong insulators to reduce shocks. Choosing shirts and socks made from cotton instead of wool makes us safer.

Having a sweater and socks can make the person more susceptible to electric shocks. Photo: Lifehacker.

We are also shocked with static electricity when leaving a car and touching the door. To limit this situation, keep the metal frame of the car door from before opening the door until leaving the car completely.

If you want to comfortably wear a sweater and rubber shoes indoors without worrying about electrostatic shock, you can use a humidifier to cool the air. To prevent unwanted electric shocks, a relative humidity above 30% is reasonable.

1. Causes and ways to overcome cold limbs in the winter
2. Why is winter dandruff fluttering even though you still wash your hair clean?