

## **Dealing with the earthquake force on the skeleton of the structure by using cables**

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In order to deal with the force of the earthquake on the structure, cables can be placed in the beams instead of tensile steel, and pulleys can be placed at both ends of the beams, and this cable can be placed inside the pulleys and vertically to the ground. connected This can be done in both x and y directions. To prove this method, you can make a jelly in the shape of a rectangular cube with a length longer than the other two dimensions, and put threads inside it in the x and y directions, and connect the threads to a table and shake the table. You can see that the jelly is resistant to vibration by the threads.