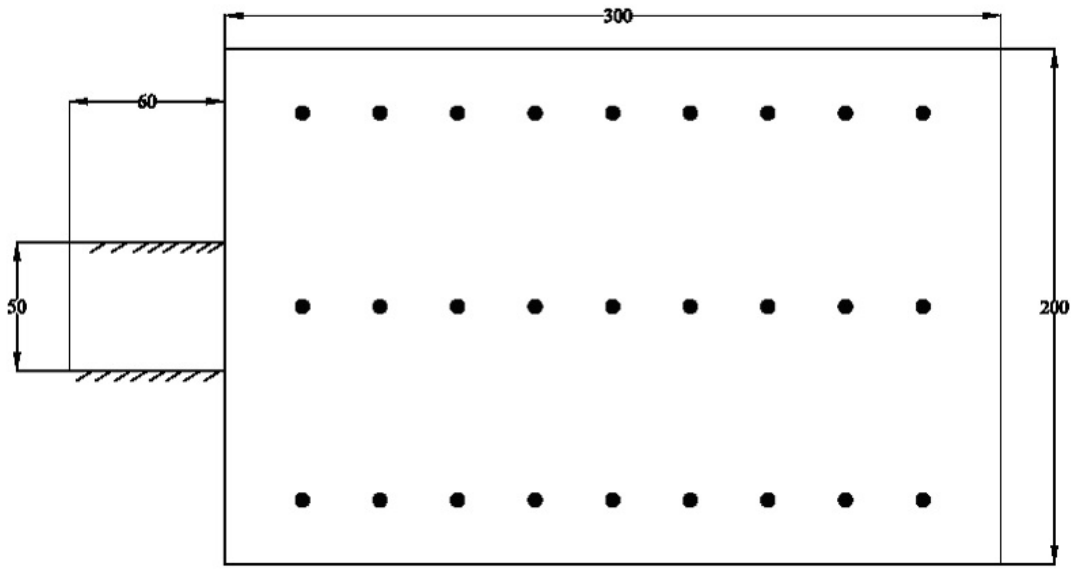

Fig 1

1.A cantilever plate: the length 300mm, the width 200mm, the thickness 6mm; the clamped end dimension : the length 60mm, the width 50mm, the thickness 6mm.(see Fig 1)

2. The Young's modulus 56e9 Pa, the Poisson's ration 0.3, the density 2646kg/m^3.

3. Simulation the transfer function in the frequency domain, giving a hammer force 100N to the point 5, getting the acceleration response in the point 2. (See Fig 2)

How to get?

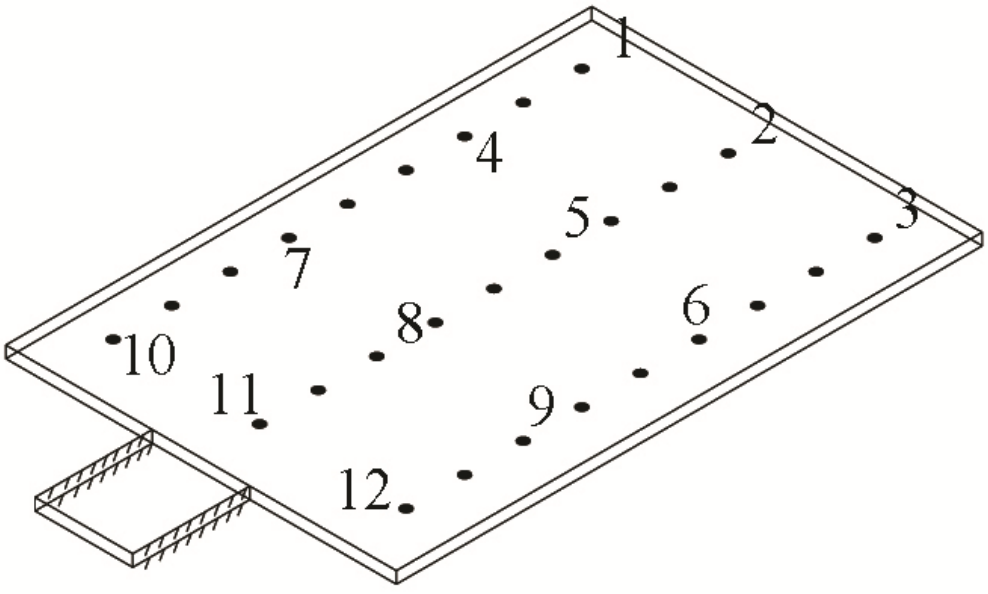

Fig 2

4. The simulation result like the Fig 3

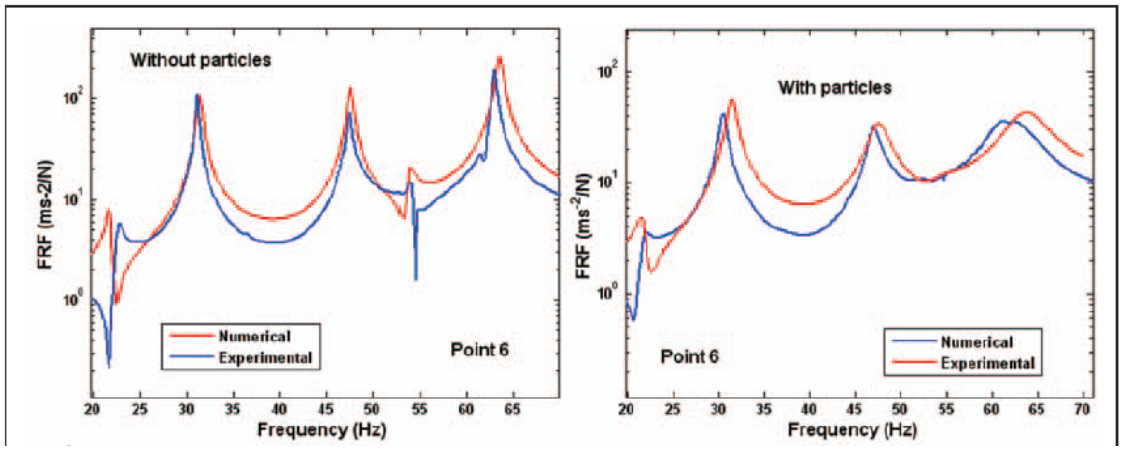
Without particles
FRF (ms-2/N)
Numerical
Experimental
Point 6
Frequency (Hz)
With particles
FRF (ms-2/N)
Point 6
Numerical
Experimental
Frequency (Hz)

Fig 3