

## 邊界元素法第八次作業

1. In calculating the hypersingular integral, we can determine the improper integral by limiting process. The  $M$  kernel contains two parts, one is calculated in the course, the other one is as follows:

$$\lim_{\epsilon \rightarrow 0} \int_a^b \frac{2x^2}{(x^2 + \epsilon^2)^2} dx = 0$$