

接触角的定义

Contact angle (接触角)	STAR-CD中 [deg]	教科书中 [deg]
Like water (亲水性)	> 90	< 90
Hate water (憎水性)	< 90	> 90

The direction of the gradient of α_l represents the normal at the interface between the two fluids. At a solid wall, this needs to be adjusted so that the interface normal forms an angle β_{eq} with the wall normal, β_{eq} being the user-specified contact angle illustrated in Figure 14-1.

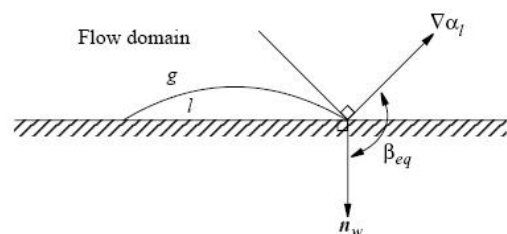


Figure 14-1 Contact angle illustration

STAR-CD中

1. 接触角

设液体在固体表面上形成液滴，形成如下图所示的液滴

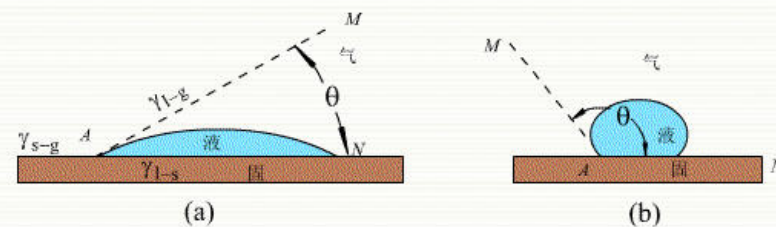


图 12.22 润湿作用与液滴的形状

教科书中

STAR-CD中接触角的定义

- 打开自由表面（**Free Surface**）模型后，在重流体（**Heavy Fluid**）的属性中进行定义。

