

1.4 Hatching and Cross-Hatching

Name: _____ Class: _____ Date: _____ **Total: 11 marks**

KEY WORDS hatching 排线 • value 明度 • cross-hatching 交叉排线 • surface 画面质感

Objective

Build value with **hatching** 排线 and **cross-hatching** 交叉排线 that also describe form.

You must be able to:

- darken a value by tightening line spacing
- layer angles to deepen tone step by step
- keep one angle per plane for crisp edges
- curve strokes (cross-contour hatching) to show volume

1 Worked examples

Study these first. Each one shows the method for a task used later.

■ Density = value

Closer, denser lines read darker; wider spacing reads lighter. In ink, this is the *only* way to make grey.

■ Layer the angles

Cross-hatching adds a second set of lines at a new angle; each layer deepens the tone one step.

■ Follow the form

Curving the hatch strokes around a form (cross-contour hatching) shades and describes volume at the same time.

2 Practice

2.1 In ink, which method builds up value, since ink has no grey? [1]

- | | |
|---|---|
| A | B |
| C | D |
- A blending
B hatching density
C erasing
D smudging

2.2 Why keep one hatching angle within a single flat plane? [2]

2.3 What does cross-contour hatching do that straight hatching does not? [1]

3 Studio & portfolio tasks

3.1 Make a **value strip** and a **form study** with line only.

(a) Draw a 5-step value strip using hatching, tightening the spacing each step. [2]

(b) Shade a sphere or cylinder using **cross-contour** hatching only. [3]

3.2

() Render a cube with three hatching densities, one per visible plane. [2]