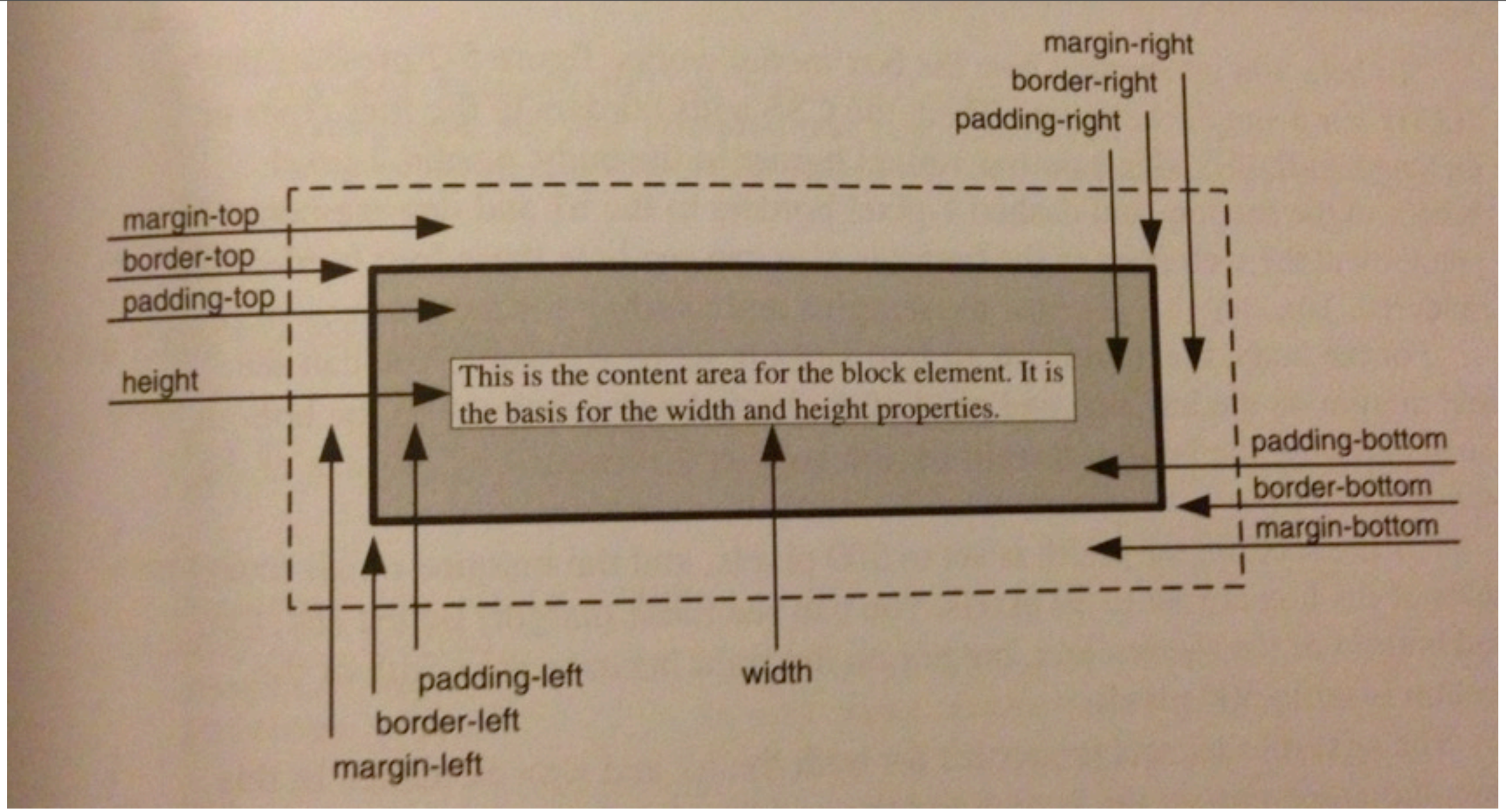
BOX SIZING



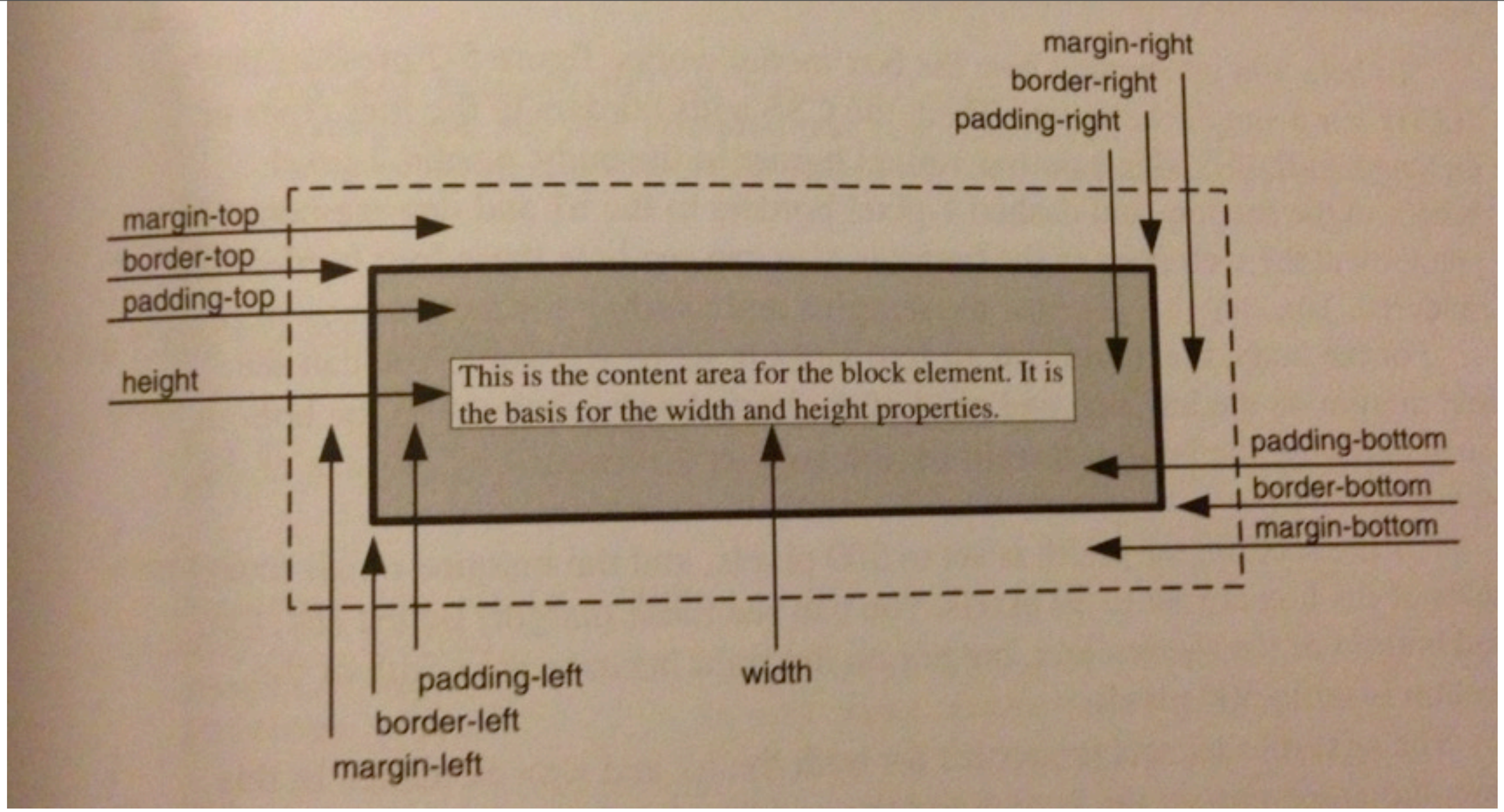
To calculate the WIDTH of a box:

left margin + left border + left padding +

width +

right padding + right border + right margin

From Murach's *HTML and CSS3* book



To calculate the HEIGHT of a box:

top margin + top border + top padding +

height +

bottom padding + bottom border + bottom margin

From Murach's *HTML and CSS3* book

BOX SIZING

Puts the border and padding INSIDE the box

```
-webkit-box-sizing: border-box;  /* Safari/Chrome, other WebKit */
-moz-box-sizing: border-box;     /* Firefox, other Gecko */
box-sizing: border-box;          /* Opera/IE 8+ */
```

BOX SIZING

```
.box2, .boxsizing2 {
    width: 600px;
    border: 20px solid black;
    margin: 50px;
    padding: 50px;
    background-color: blue;

    /* this makes the visible part of .box2 and .boxsizing2's width = 740px ==> 600 + (2x20) + (2x50) */
}

.boxsizing2 {

    -webkit-box-sizing: border-box; /* Safari/Chrome, other WebKit */
    -moz-box-sizing: border-box;    /* Firefox, other Gecko */
    box-sizing: border-box;         /* Opera/IE 8+ */

    /* but if you add this style then the visible part of .boxsizing2's width is 600px - padding and border are all inside
    the original box's width */
}
```

CSS TRANSITIONS

```
transition-property: opacity;
transition-duration: 1s;
transition-timing-function: ease;
transition-delay: 2s;
```

But this is the long-hand ....
(like with borders, we can write this all in one style)

CSS TRANSITIONS

TRANSITION SHORTHAND

http://designshack.net/articles/css/create-stunning-effects-with-css-transition-delays/

CSS TRANSITIONS

Timing functions (ease is the default)

Value	Description
linear	Specifies a transition effect with the same speed from start to end (equivalent to cubic-bezier(0,0,1,1))
ease	Specifies a transition effect with a slow start, then fast, then end slowly (equivalent to cubic-bezier(0.25,0.1,0.25,1))
ease-in	Specifies a transition effect with a slow start (equivalent to cubic-bezier(0.42,0,1,1))
ease-out	Specifies a transition effect with a slow end (equivalent to cubic-bezier(0,0,0.58,1))
ease-in-out	Specifies a transition effect with a slow start and end (equivalent to cubic-bezier(0.42,0,0.58,1))
cubic-bezier(*n*,*n*,*n*,*n*)	Define your own values in the cubic-bezier function. Possible values are numeric values from 0 to 1

http://www.w3schools.com/cssref/css3_pr_transition-timing-function.asp

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CSS TRANSITIONS

Let's see the ease... !

http://css3.bradshawenterprises.com/transitions/

CSS TRANSITIONS

And don't forget ALL.

```
-webkit-transition: all 2s linear;
-moz-transition: all 2s linear;
transition: all 2s linear;
```