

# TECHNOTE: Inside Macintosh: QuickDraw GX Environment and Utilities Errata

By Ingrid Kelly  
**inge@apple.com**  
Apple Developer Technical Support (DTS)

This Technical Note discusses known errors and omissions in *Inside Macintosh: QuickDraw GX Environment and Utilities*.

Topics:

- Correction to Table 7-3 January 1996
- Correction to Section “Data Type Opcodes to Modify a Shape Object” January 1996
- Correction to Table 7-4 January 1996
- Correction to Table 7-5 January 1996
- Correction to Listing 7-1 January 1996
- Correction to Section “Header Data” January 1996
- Correction to Table 7-14 January 1996
- Correction to Table 7-15 January 1996

- Correction to Section “Analyzing a Flattened Curve Shape” January 1996

## Chapter 7 - QuickDraw GX Stream Format

---

### Correction to Table 7-3 Page 7-16, Data Type Opcodes for a new object

---

Constant	Current Value	Corrected Value
gxGlyphType	0x10	0x0A
gxLayoutType	0x11	0x0B
gxFullType	0x12	0x0C
gxPictureType	0x13	0x0D

### Correction to Section 'Data Type Opcodes to Modify a Shape Object' Page 7-17

---

The sentence that reads “Data type opcode constants for attributes, tag, ink, and fill are defined in the `gxShapeDataOpcode` enumeration.” is incorrect; ink is not part of the enumeration.

### Correction to Table 7-4 Page 7-17, Data Type opcodes to modify a style object

---

Current Constant	Corrected Constant
gxTag0opcode	gxShapeTag0opcode
gxFill0opcode	gxShapeFill0opcode

### Correction to Table 7-5 Page 7-19, Data Type opcodes to modify a style object

---

Constant	Current Value	Corrected Value
gxStyleRunPriorityJustOverride0opcode	0x1F	0x0F

### Correction to Listing 7-1 Page 7-27, Determining if position (x) is byte compressed

---

```
if ((a & (gxOmitTextPositionXMask >> gxOmitTextPositionXShift)) ==  
    gxByteCompression
```

should be:

```
if ((a & (gxOmitTextPositionXMask >> gxOmitTextPositionXShift)) ==  
    gxByteCompression)
```

### Correction to Section 'Header Data' Page 7-27

---

The sentence that reads “The header marks the beginning of a new flattened shape in the data stream” should read *“The header marks the beginning of the first flattened shape in the data stream.”*

**Correction to Table 7-14 Page 7-62, Analysis of the data stream of a flattened line shape**

---

Values in data stream	Type of Info.	Current Value	Corrected Value
0x2F (00 101111)	Compression type opcode	2	0
...			
0x28 (00 101000)	Compression type opcode	2	0

**Correction to Table 7-14 Page 7-63, Analysis of the data stream of a flattened line shape**

---

Values in data stream	Type of Info.	Should be
0x83 (00 000011)	Compression type opcode	Byte Compression

**Correction to Table 7-15 Page 7-66, Analysis of the data stream of a flattened rectangle shape**

---

Values in data stream	Type of Info.	Current Value	Corrected Value
0x09 (00 001001)	Record Size	5	9
...			
0x00 4B	Data	125.0	75.0

**Correction to Section 'Analyzing a Flattened Curve Shape' Page 7-67**

---

The sentence that reads “The size and shape of the curve are defined by its first point (210.0), control point (460.0, 75.0), and last point (310.0, 125.0).” should read *“The size and shape of the curve are defined by its first point (210.0, 25.0), control point (460.0, 75.0), and last point (310.0, 125.0).”*