



# Information technology — Computer graphics — Programmer's Hierarchical Interactive Graphics System (PHIGS) language bindings —

## Part 4:

### C

#### TECHNICAL CORRIGENDUM 1

*Technologies de l'information — Infographie — Interfaces langage entre un programme d'application et son support graphique —*

*Partie 4: C*

*RECTIFICATIF TECHNIQUE 1*

Technical corrigendum 1 to International Standard ISO/IEC 9593-4:1991 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 24, *Computer graphics and image processing*.

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#### Subclause 5.3

Pcolr\_rep data type, change CIE L\*u\*v\* to be CIELUV.

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**Subclause 5.4**

Pcieluv data type, replace the existing data type with the following:

Pcieluv **CIELUV**

```
typedef struct {
    Pfloat    u_prime;    /* u_prime coefficient */
    Pfloat    v_prime;    /* v_prime coefficient */
    Pfloat    y;          /* y (luminance)      */
} Pcieluv;
```

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**Subclause 5.4**

Add the following after the TEXT PRECISION data type:

Ptrunc\_meth **TRUNCATION\_METHOD**

```
typedef enum {
    PTRUNC_HEAD,          /* returns head of path */
    PTRUNC_TAIL           /* returns tail of path */
} Ptrunc_meth;
```

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**Subclause 7.9**

RETRIEVE PATHS TO ANCESTORS, change the third parameter from

```
to Ppath_order    order,          /* path order          */
   Ptrunc_meth    trunc_method,    /* truncation method   */
```

RETRIEVE PATHS TO DESCENDANTS, change the third parameter from

```
to Ppath_order    order,          /* path order          */
   Ptrunc_meth    trunc_method,    /* truncation method   */
```

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**Subclause 7.12.7**

INQUIRE PATHS TO ANCESTORS, change the second parameter from

```
to Ppath_order    order,          /* path order          */
   Ptrunc_meth    trunc_method,    /* truncation method   */
```

INQUIRE PATHS TO DESCENDANTS, change the second parameter from

```
to Ppath_order    order,          /* path order          */
   Ptrunc_meth    trunc_method,    /* truncation method   */
```

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**Clause A.2**

Add the following after the TEXT PRECISION data type:

```
typedef enum {
    PTRUNC_HEAD,          /* returns head of path */
    PTRUNC_TAIL           /* returns tail of path */
} Ptrunc_meth;
```

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**Clause A.2**

Pcieluv data type, replace the existing data type with the following:

```
typedef struct {
    Pfloat    u_prime;    /* u_prime coefficient */
    Pfloat    v_prime;    /* v_prime coefficient */
    Pfloat    y;          /* y(luminance) */
}
```

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**Clause A.3**

RETRIEVE PATHS TO ANCESTORS, change the third parameter from

```
Ppath_order    order,          /* path order */
to
Ptrunc_meth     trunc_method,   /* truncation method */
```

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**Clause A.3**

RETRIEVE PATHS TO DESCENDANTS, change the third parameter from

```
Ppath_order    order,          /* path order */
to
Ptrunc_meth     trunc_method,   /* truncation method */
```