MMX code sequence performing this operation:

```
pxor        mm7, mm7        ;zero out mm7
movq        mm3, fad_val    ;load fade value replicated 4 times
movd        mm0, imageA     ;load 4 red pixel components from image A
movd        mm1, imageB     ;load 4 red pixel components from image B
punpckblw   mm0, mm7        ;unpack 4 pixels to 16 bits
punpckblw   mm1, mm7        ;unpack 4 pixels to 16 bits
psubw       mm0, mm1        ;subtract image B from image A
pmulhw      mm0, mm3        ;multiply the subtract result by fade values
padddw      mm0, mm1        ;add result to image B
packuswb    mm0, mm7        ;pack 16-bit results back to bytes
```

Figure 9.10 Image Compositing on Color Plane Representation [PELE97]