

User's Manual

Hao Wang 2014.8

1. Description Overview of examples:

(1) Directory:

- 1) Haptic_box (with user guide): A box;
- 2) Haptic_box with assistance inside (with user guide): A box with assistance inside;
- 3) Haptic_box with sinusoidal vibration inside (with user guide): A box with sinusoidal vibration inside;
- 4) Haptic_box with stiffness inside (with user guide): A box with stiffness inside;
- 5) Haptic_box, dynamic gravity well (with user guide): A box with a dynamic and a static gravity well;
- 6) Haptic_box, dynamic sphere (with user guide): A box with a dynamic sphere inside;
- 7) Haptic_box, gravity well (with user guide): A box with two static gravity well;
- 8) Haptic_box, gravity well, trapezoid (with user guide): A box with two gravity wells and a trapezoid area;
- 9) Haptic_box, gravity with beep (with user guide): A box with two gravity wells, when the mouse is inside, there will be beep rings
- 10) Haptic_box, gravity with two tones (with user guide): A box with two gravity wells, when the mouse is inside, there will be two different tones sounds
- 11) Haptic_box, sphere (with user guide): A box with a sphere inside

(2) Notes:

All examples are located in the path: **C:\Hao Programming\Finished with user guide**

It is better to keep it there, because in example "Haptic_box, gravity with two tones (with user guide)", absolute address is used. The change of path may cause unnecessary errors.

2. Software used:

Visio Studio 2010

Download address:

(1) professional:

(X86)

ed2k://|file|en_visual_studio_2010_professional_x86_dvd_509727.iso|2351316992|D395B6381AC129209EE80D9BED4BA5F1|/

(2) VS2010 Sp1:

(x86 and x64)

ed2k://|file|mu_visual_studio_2010_sp1_x86_x64_dvd_651704.iso|1592336384|C703F08639BBBE0F6F53C694C956F484|/

3. Operation System:

Windows XP, Windows 7

4. Environment Configuration:

1) Download PHANTOM Device Drivers (PDD)

http://dl.geomagic.com/binaries/sensable/PDD517/Phantom_Device_Drivers_5.1.7_Release.exe

2) Download OpenHaptics Academic Edition for Windows - v3.2.2

http://dl.geomagic.com/binaries/GeomagicSolutions/OpenHaptics_Academic_Edition_v3.2.2.exe