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Subject: Re: Help for Indian Language Unicode display

Posted by [deep](#) on Thu, 24 Nov 2011 14:23:56 GMT

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Referring to Lance thread about CJK fonts. I have done some tests.

Results from log file for DDUMP

Results are with following change in struct sRFace

```
sFontReplacements[] = {
  { "sans-serif", 0xffee0008, 0xdc000801 },
  { "Arial", 0xfffe0000, 0x9c000801 },
  {"\346\226\260\345\256\213\344\275\223", 0xfd800000, 0x9fff00d },//SimSun (or New Song Ti)
  {"SimSun", 0xfd800000, 0x9fff00d },//SimSun (or New Song Ti)
  {"\345\256\213\344\275\223", 0xfd800000, 0x9fff00d }, // Song Ti
  {"\345\276\256\350\275\257\351\233\205\351\273\221", 0xfd800000, 0x9fff00f }, //MS Ya Hei
  {"Microsoft YaHei", 0xfd800000, 0x9fff00f }, //MS Ya Hei
  {"gargi",0xffffffff,0xffffffff}, // Gargi
  {"Chandas",0xffffffff,0xffffffff}, // Chandas
  {"Kedage",0xffffffff,0xffffffff}, // Gargi
  {"Mallige",0xffffffff,0xffffffff}, // Gargi
  {"Lohit Hindi",0xffffffff,0xffffffff}, // Lohit Hindi
```

```
Font f = fnt;
dword tl = chr < 4096 ? 0x80000000 >> (chr >> 7) : 0;
dword th = 0x80000000 >> ((dword)chr >> 11);
// DDUMP(FormatIntHex(chr));
// DDUMP(FormatIntHex(th));
for(int i = 0; i < rface.GetCount(); i++) {
// DDUMP(Font(rface[i], 10));
// DDUMP(FormatIntHex(h[i]));
// DDUMP(FormatIntHex(h[i] & th));
if(((h[i] & tl) || (h[i] & th)) && !sNormal(f.Face(rface[i]), chr)) {
int a = fnt.GetAscent();
```

```
FormatIntHex(chr) = 00000930
FormatIntHex(th) = 40000000
Font(rface[i], 10) = <sans-serif:10>
FormatIntHex(h[i]) = dc000801
FormatIntHex(h[i] & th) = 40000000
Font(rface[i], 10) = <gargi:10>
FormatIntHex(h[i]) = ffffffff
```

```
FormatIntHex(h[i] & th) = 40000000
FormatIntHex(chr) = 0000093e
FormatIntHex(th) = 40000000
Font(rface[i], 10) = <sans-serif:10>
FormatIntHex(h[i]) = dc000801
FormatIntHex(h[i] & th) = 40000000
Font(rface[i], 10) = <gargi:10>
FormatIntHex(h[i]) = ffffffff
FormatIntHex(h[i] & th) = 40000000
FormatIntHex(chr) = 00000937
FormatIntHex(th) = 40000000
Font(rface[i], 10) = <sans-serif:10>
FormatIntHex(h[i]) = dc000801
FormatIntHex(h[i] & th) = 40000000
Font(rface[i], 10) = <gargi:10>
FormatIntHex(h[i]) = ffffffff
FormatIntHex(h[i] & th) = 40000000
FormatIntHex(chr) = 0000094d
FormatIntHex(th) = 40000000
Font(rface[i], 10) = <sans-serif:10>
FormatIntHex(h[i]) = dc000801
FormatIntHex(h[i] & th) = 40000000
Font(rface[i], 10) = <gargi:10>
FormatIntHex(h[i]) = ffffffff
FormatIntHex(h[i] & th) = 40000000
FormatIntHex(chr) = 0000091f
FormatIntHex(th) = 40000000
Font(rface[i], 10) = <sans-serif:10>
FormatIntHex(h[i]) = dc000801
FormatIntHex(h[i] & th) = 40000000
Font(rface[i], 10) = <gargi:10>
FormatIntHex(h[i]) = ffffffff
FormatIntHex(h[i] & th) = 40000000
FormatIntHex(chr) = 0000093f
FormatIntHex(th) = 40000000
Font(rface[i], 10) = <sans-serif:10>
FormatIntHex(h[i]) = dc000801
FormatIntHex(h[i] & th) = 40000000
Font(rface[i], 10) = <gargi:10>
FormatIntHex(h[i]) = ffffffff
FormatIntHex(h[i] & th) = 40000000
```

```
GUI_APP_MAIN
```

```
{
  for(int i = 0; i < Font::GetFaceCount(); i++)
    LOG(Font::GetFaceName(i));
```

}

Results for font list.

STDFONT

serif

sans-serif

monospace

UnDotum

LMMonoLt10

Samyak Devanagari

Century Schoolbook L

OpenSymbol

Khmer OS System

Nakula

Chandas

LMSansQuot8

Lohit Nepali

LMMathSymbols10

LMRomanSlant9

LMRomanSlant8

LMSans9

LMSans8

Mukti Narrow

Meera

Kalimati

Vemana2000

Lohit Maithili

LMMonoSlant10

Umpush

Purisa

Pothana2000

DejaVu Sans Mono

Norasi

Loma

URW Palladio L

Phetsarath OT

Sawasdee

Sahadeva

Tlwg Typist

URW Gothic L

Dingbats

URW Chancery L

FreeSerif

ori1Uni

WenQuanYi Micro Hei Mono

Kedage  
DejaVu Sans  
Kinnari  
LMSans17  
LMSans12  
LMSans10  
Lohit Punjabi  
LMRoman17  
LMRoman12  
LMRoman10  
TlwgMono  
Symbol  
LMRomanDunh10  
LMRoman7  
LMRoman6  
LMRoman5  
LMRoman9  
LMRoman8  
Bitstream Charter  
KacstOne  
Lohit Kashmiri  
Khmer OS  
Liberation Mono  
Courier 10 Pitch  
Nimbus Sans L  
TlwgTypewriter  
TakaoPGothic  
LMRomanDemi10  
Rachana  
WenQuanYi Micro Hei  
LMMonoCaps10  
Samanata  
LMMonoLtCond10  
Standard Symbols L  
Lohit Marathi  
Lohit Gujarati  
Nimbus Mono L  
Nimbus Mono L  
Liberation Serif  
Lohit Sindhi  
Mallige  
LMMathItalic10  
Nimbus Roman No9 L  
LMMathItalic12  
LMRomanUnsl10  
Lohit Konkani  
Liberation Sans  
LMMono10

LMMono12  
LMMathItalic7  
LMMathItalic6  
LMMathItalic5  
LMMathItalic9  
LMMathItalic8  
Mukti Narrow  
LMMathSymbols6  
LMMathSymbols7  
LMMathSymbols5  
FreeSans  
LMMathSymbols8  
LMMathSymbols9  
Sarai  
LMMono8  
LMMono9  
LMMathExtension10  
Lohit Tamil  
Tlwg Typo  
LMRomanCaps10  
UnBatang  
Lohit Bengali  
LMSansDemiCond10  
LMRomanSlant10  
LMRomanSlant12  
LMRomanSlant17  
Waree  
gargi  
Lohit Hindi  
DejaVu Serif  
Saab  
LMMonoProp10  
Garuda  
Rekha  
URW Bookman L  
LMMonoPropLt10  
FreeMono

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