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Subject: MT again

Posted by [mdelfede](#) on Fri, 18 Dec 2009 11:03:01 GMT

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```
// calculation thread function
void CalcPage::DoCalculation(void)
{
    int mod;

    INTERLOCKED_(mutex) {
        modified = false;
    }

    do
    {
        LOG(__FUNCTION__ << " Start calculation");
        // gets the status bar
        StatusBar &sb = ((Lamell *) (GetMainWindow()))->GetStatusBar();
        {
            // signals calculation in progress
            GuiLock __;
            sb.Set("Calcolo in corso");
        }

        calcAborted = !Calculate();
        {
            // signals end of calculation
            GuiLock __;
            if(calcAborted)
                sb.Set("Errore");
            else
                sb.Set("Pronto");
        }
        INTERLOCKED_(mutex) {
            mod = modified;
        }
        LOG(__FUNCTION__ << " End calculation, modified = " << mod);
    }
    while(mod);
}

// modify handler -- triggers page calculation
// on keypress on every (editable) ctrl on page
void CalcPage::ModifyCb(void)
{
    LOG(__FUNCTION__ << " ModifyCb called");
    if(!calcThread.IsOpen())
```

```
{
  calcThread.Run(THISBACK(DoCalculation));
  return;
}
INTERLOCKED_(mutex) {
  modified = true;
}
}
```

CalcPage::ModifyCb is called on every change on editables ctrls on page (editfields mostly)  
DoCalculation thread should take in account changes on page that happens between calculations,  
and so it should recalc the whole stuff.

My results :

Sometimes it starts just once, then it's never run again (the calc thread), so I guess it's hanging somewhere

Sometimes it keeps recalculating, but ModifyCb is not reentered, so I'm quite sure that the modify flag is not recursively set because of calc routine.

First case happens mostly

Max

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