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# View で描くグラフィックのアニメ化

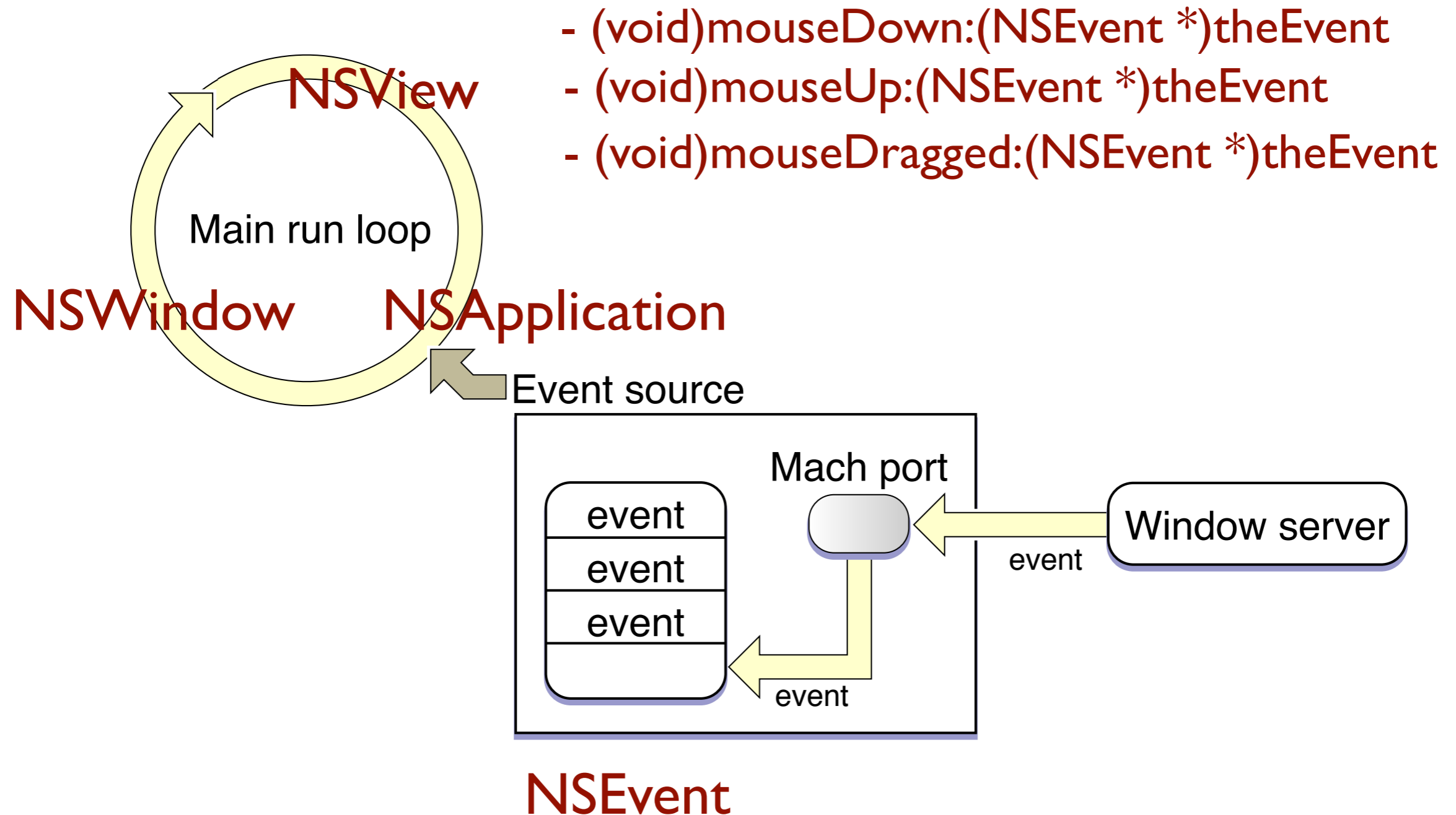
— 初期値を変えてphase portaitを描く —

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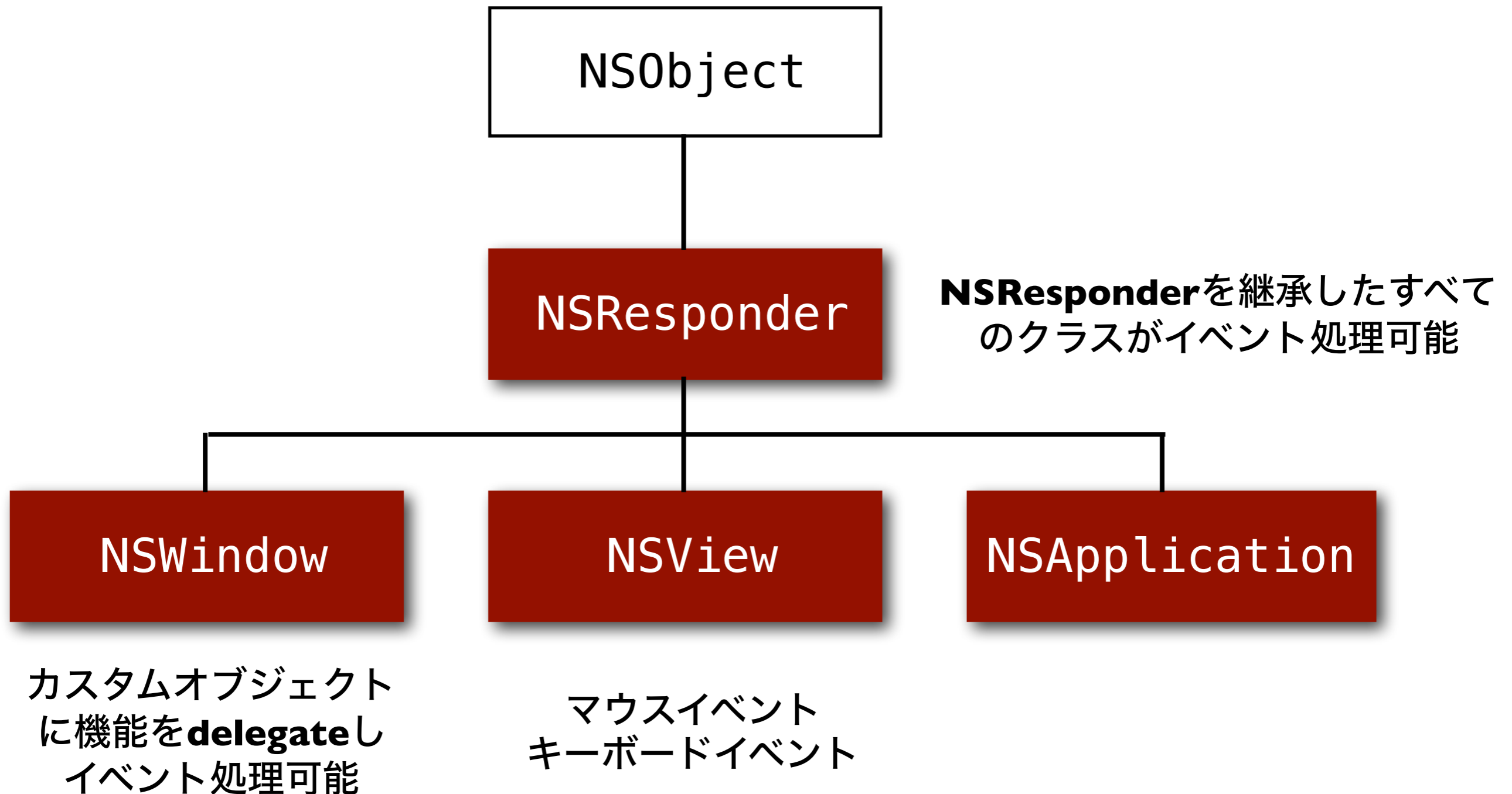
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# The main event loop

<http://developer.apple.com/mac/library/documentation/cocoa/Conceptual/EventOverview/>



## アプリケーション・カルテットのクラス階層



## 今日のプログラム： mouse event の処理

- (void)mouseDown:(NSEvent \*)theEvent
- (void)mouseUp:(NSEvent \*)theEvent
- (void)mouseDragged:(NSEvent \*)theEvent

```

- (void) mouseDown:(NSEvent *)theEvent{
    NSPoint temp;
    NSPoint loc=[theEvent locationInWindow];

    loc.x -= [self frame].origin.x;
    loc.y -= [self frame].origin.y;

    x[0]=loc.x/alpha[0] + xm[0];
    x[1]=loc.y/alpha[1] + ym[0];

    temp=[self convertPoint:loc toView:nil];
    [[NSColor redColor] set];
    [[NSBezierPath bezierPathWithOvalInRect:NSMakeRect(temp.x-4, temp.y-4, 8, 8)] fill];
}

```

