

# A METAFONT for Rustic Capitals

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# Acknowledgement



The French-speaking Group of  $\text{\TeX}$  Users (GUT) aims to promote the use of  $\text{\TeX}$  and  $\text{\LaTeX}$  by helping people to discover and use them.

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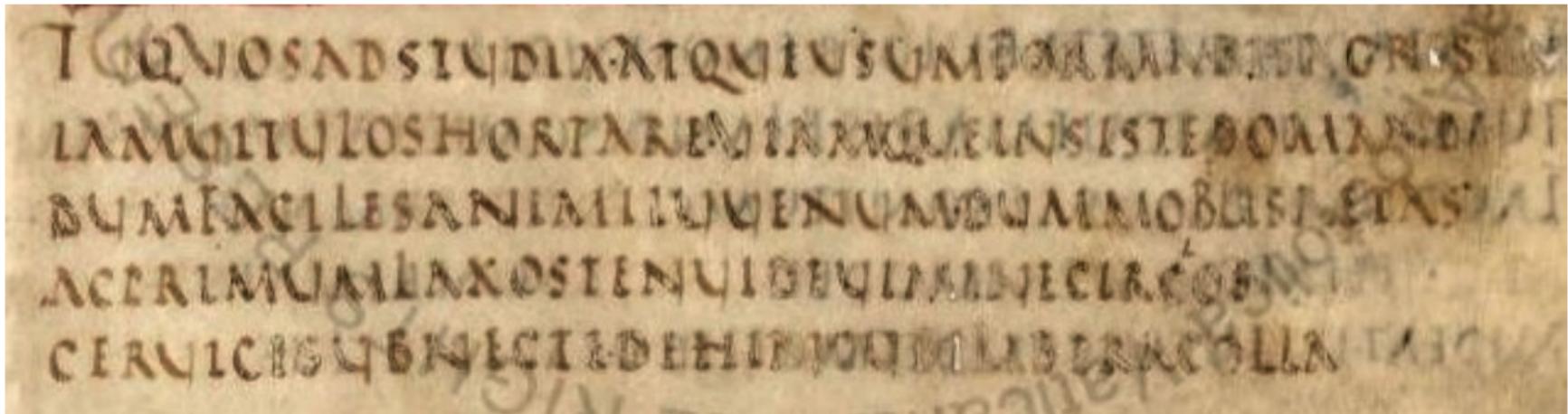
# What are Rustic Capitals?



Quick summary [Bib03]:

- Earliest examples: 1st century CE (election posters in Pompeii)
- Regularisation: 4th and 5th centuries
- Titles and distinctions: 9th and 10th centuries

# Our main source: the *Vergilius Vaticanus* manuscript<sup>1</sup>



<sup>1</sup>[https://digi.vatlib.it/view/MSS\\_Vat.lat.3225](https://digi.vatlib.it/view/MSS_Vat.lat.3225)

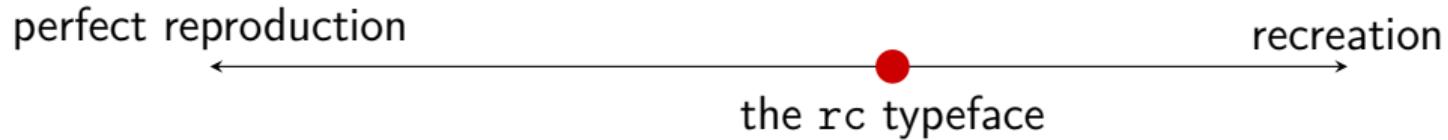
# Our goal with this METAFONT

Olocco and Patanè [OP22] define a spectrum of type revivals:



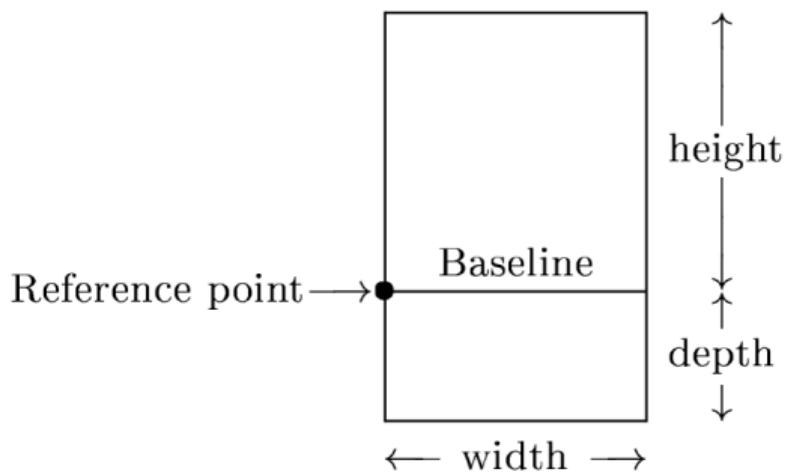
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# Character height

After numerous measurements on various fragments of the manuscript:



```
u# := 1/12 * 10 pt#; % unit  
cap_height# := 9 u#;  
asc_height# := 11 u#;  
desc_height# := 1 u#;  
crossbar_height# := 5 u#;
```

# Virtual pen

OS

```
thick# := 5/4 u#;
thin# := 1/3 u#;
pen_angle := 65; % 90 - 35

pickup pensquare
xscaled thick
yscaled thin
rotated pen_angle;

rustic_pen := savepen;
```

# The `draw_serif` macro



```
def draw_serif(suffix i, j)(expr width) =
    rt x.j - lft x.i = width;
    y.i = y.j;
    draw z.i{dir serif_angle}
            .. {dir serif_angle}z.j;
enddef;
```

# The draw\_diag\_stroke macro



```
def draw_diag_stroke(suffix i, j)(expr a) =
    z.i - z.i.l = z.j.r - z.j
        = spur_width * dir spur_angle;
    z.j - z.i = whatever * (dir a);
    draw z.i.l .. z.i
        .. tension 3
        .. z.j .. z.j.r;
enddef;
```

# A few ligatures



```
ligitable "A": "T" kern -u#;  
ligitable "K": "O" kern -.5u#;  
ligitable "L": "T" kern -u#;  
ligitable "R": "O" kern -.5u#;  
...
```

# Earlier work on rustic capitals

wilson  
LANDERS

# Earlier work on rustic capitals

wilson

LANDERS

sannier



locusinqui

locusinqui



locusinqui

locusinqui

locusinqui



LACRIMASQUE  
LACRIMASQUE



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UNDECENUS DUCIS

UNDECENUS DUCIS



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# The Aeneid

ARMARIUMQUECANOTROIΛEQUIPRIMUSABORIS  
ITALIAΛΜΕΤΑPROFUGUSΛUINΙΛQUEUENIT  
LITORΑMULTUMILLETTERRISΙΛCTATUSETALTO  
UISUPERUMSΛΕUΛEMOREMIUNONISOBIRΑM

# Future work

- iterate on the shapes of a few characters,
- consider your suggestions,
- submit the typeface to the CTAN

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THANK YOU

# References

- [Bib03] Bibliothèque Nationale de France. *La rustica*. French. Educational dossier accompanying the exhibition “Jean Fouquet: peintre et enlumineur du XVe siècle”. 2003. URL: <http://expositions.bnf.fr/fouquet/reperes/32/ecriture/rustica.htm>.
- [OP22] Riccardo Olocco and Michele Patanè. *Designing Type Revivals*. Lazy Dog Press, 2022. ISBN: 978-88-98030-48-4.