

# Re: quadrature to voltage converter

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-08/msg00709.html>

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- *From:* [jmeyer@xxxxxxxxxxxx](mailto:jmeyer@xxxxxxxxxxxx)
  - *Date:* Sat, 06 Aug 2005 01:38:45 GMT
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On Fri, 05 Aug 2005 17:00:26 GMT, Jonathan Kirwan <[jkirwan@xxxxxxxxxxxxxxxxxxxx](mailto:jkirwan@xxxxxxxxxxxxxxxxxxxx)>  
wroth:

>

>When I want to put out a schematic on a newsgroup, there is an  
>advantage to doing it in ASCII since it is a light load on the web and  
>will be archived for the long haul on google.

On the other hand, an LTSpice file "xxx.asc" is 100 percent text and can  
be cut and pasted into a message. Like this:

-----cut here-----

```
Version 4
SHEET 1 888 1240
WIRE -560 976 -560 848
WIRE -560 848 -480 848
WIRE -480 848 -480 896
WIRE -560 848 -560 832
WIRE -224 896 -224 848
WIRE -224 848 -96 848
WIRE -96 848 -96 832
WIRE -96 848 -96 976
WIRE -480 976 -480 1024
WIRE -480 1024 -496 1024
WIRE -224 976 -224 1024
WIRE -224 1024 -160 1024
WIRE -432 1024 -480 1024
WIRE -240 1024 -224 1024
WIRE -368 1024 -304 848
WIRE -304 848 -224 848
WIRE -304 1024 -368 848
WIRE -368 848 -480 848
WIRE -560 1072 -560 1104
WIRE -96 1072 -96 1104
WIRE -720 1104 -720 944
WIRE -720 864 -720 720
WIRE -720 720 -560 720
WIRE -560 720 -560 752
WIRE -560 720 -96 720
```

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```
WIRE -96 720 -96 752
FLAG -96 1104 GND
FLAG -560 1104 GND
FLAG -720 1104 GND
SYMBOL RES -576 736 R0
SYMATTR InstName R1
SYMATTR Value 2K
SYMBOL res -112 736 R0
SYMATTR InstName R2
SYMATTR Value 2K
SYMBOL res -496 880 R0
SYMATTR InstName R3
SYMATTR Value 101K
SYMBOL res -240 880 R0
SYMATTR InstName R4
SYMATTR Value 100K
SYMBOL cap -368 1008 R90
WINDOW 0 0 32 VBottom 0
WINDOW 3 32 32 VTop 0
SYMATTR InstName C1
SYMATTR Value .01μ
SYMBOL cap -240 1008 R90
WINDOW 0 0 32 VBottom 0
WINDOW 3 32 32 VTop 0
SYMATTR InstName C2
SYMATTR Value .01μ
SYMBOL VOLTAGE -720 848 R0
SYMATTR InstName V1
SYMATTR Value 5
SYMBOL NPN -160 976 R0
SYMATTR InstName Q1
SYMATTR Value 2N3904
SYMBOL npn -496 976 M0
SYMATTR InstName Q2
SYMATTR Value 2N3904
TEXT -768 1176 Left 0 !.tran 25m startup
TEXT -776 1224 Left 0 ;This example schematic is supplied for
informational/educational purposes only.
```

-----end of file-----

Cut and paste the above into LTSpice and you can not only see the schematic, you can run the simulation and even modify it.

Jim

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- **Follow-Ups:**
  - ◆ **Re: quadrature to voltage converter**
    - ◇ From: Joerg
  - ◆ **Re: quadrature to voltage converter**
    - ◇ From: Jonathan Kirwan
  
- **References:**
  - ◆ **quadrature to voltage converter**
    - ◇ From: Jamie Morken
  - ◆ **Re: quadrature to voltage converter**
    - ◇ From: Tim Wescott
  - ◆ **Re: quadrature to voltage converter**
    - ◇ From: Joerg
  - ◆ **Re: quadrature to voltage converter**
    - ◇ From: Tim Wescott
  - ◆ **Re: quadrature to voltage converter**
    - ◇ From: Joerg
  - ◆ **Re: quadrature to voltage converter**
    - ◇ From: Jonathan Kirwan
  - ◆ **Re: quadrature to voltage converter**
    - ◇ From: Joerg
  - ◆ **Re: quadrature to voltage converter**
    - ◇ From: Jonathan Kirwan
  
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