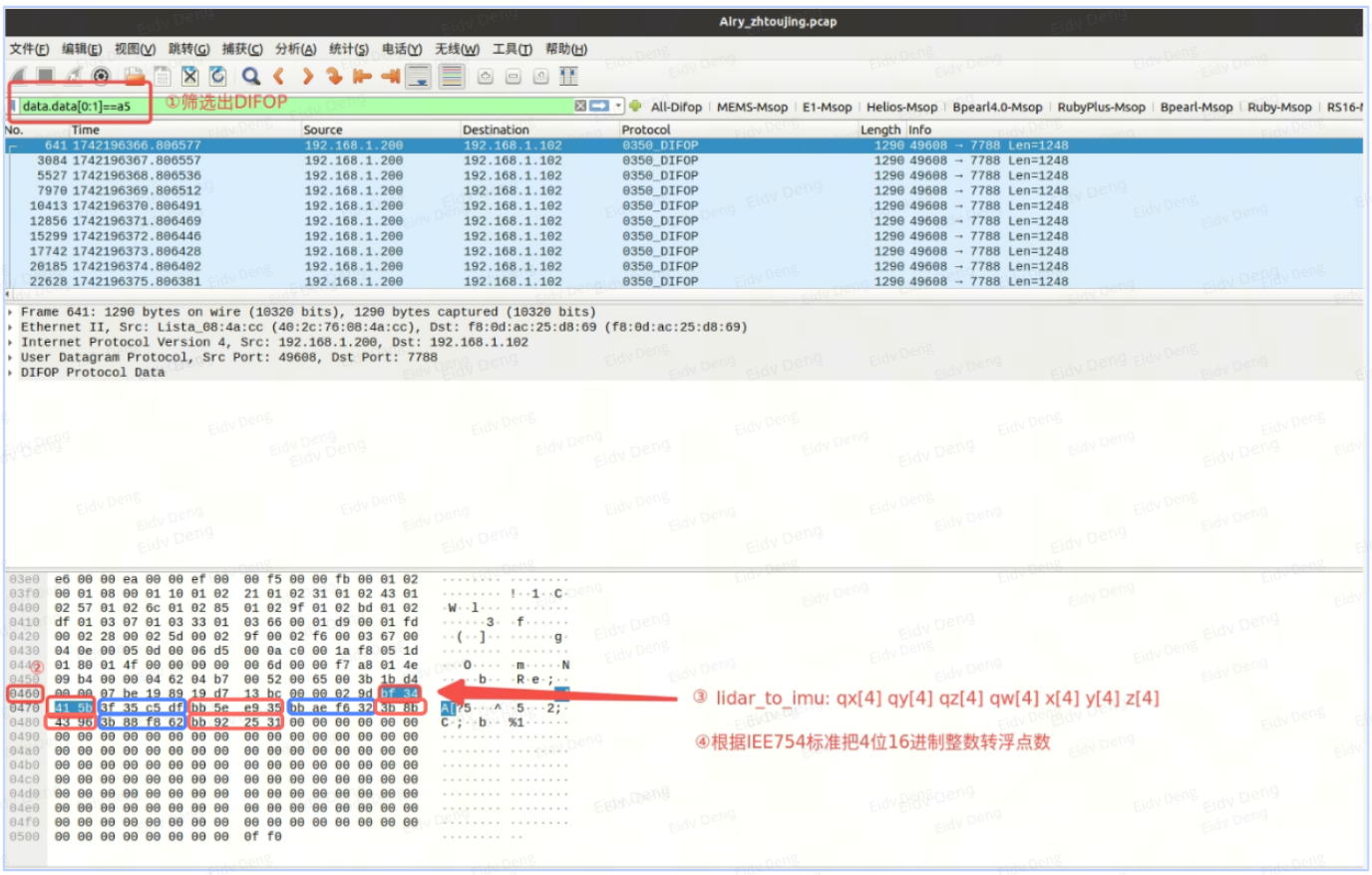
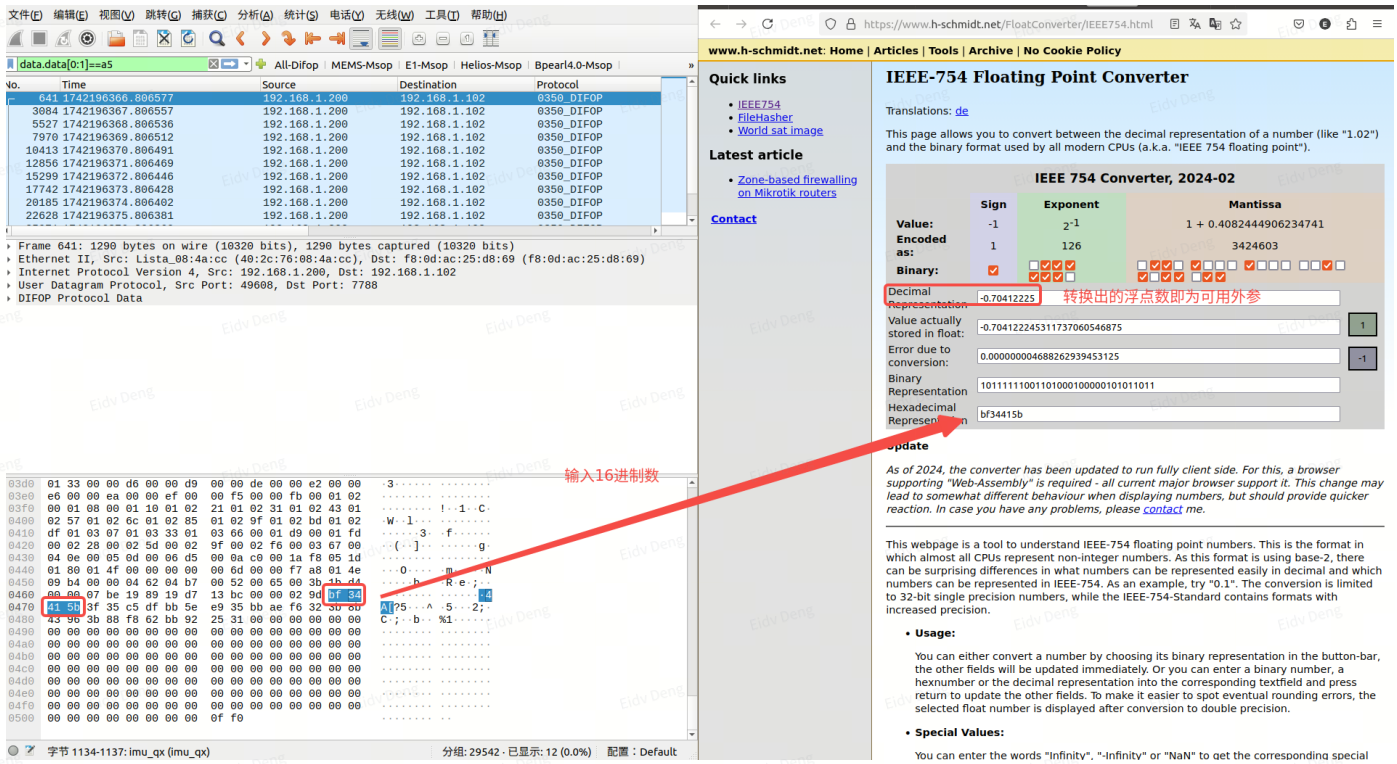
Airy IMU外参解析

1. 读取IMU外参



2. 在线转换

   https://www.h-schmidt.net/FloatConverter/IEEE754.html


文件(F) 编辑(E) 视图(V) 跳转(G) 捕获(C) 分析(A) 统计(S) 电话(Y) 无线(W) 工具(T) 帮助(H)
data.data[0:1]==a5
All-Difop | MEMS-Msop | E1-Msop | Helios-Msop | Bpearl4.0-Msop
No. Time Source Destination Protocol
641 1742196366.806577 192.168.1.200 192.168.1.102 0350_DIFOP
3084 1742196367.806557 192.168.1.200 192.168.1.102 0350_DIFOP
5527 1742196368.806536 192.168.1.200 192.168.1.102 0350_DIFOP
7970 1742196369.806512 192.168.1.200 192.168.1.102 0350_DIFOP
10413 1742196370.806491 192.168.1.200 192.168.1.102 0350_DIFOP
12856 1742196371.806469 192.168.1.200 192.168.1.102 0350_DIFOP
15299 1742196372.806446 192.168.1.200 192.168.1.102 0350_DIFOP
17742 1742196373.806428 192.168.1.200 192.168.1.102 0350_DIFOP
20185 1742196374.806402 192.168.1.200 192.168.1.102 0350_DIFOP
22628 1742196375.806381 192.168.1.200 192.168.1.102 0350_DIFOP
Frame 641: 1290 bytes on wire (10320 bits), 1290 bytes captured (10320 bits)
Ethernet II, Src: Lista_08:4a:cc (40:2c:76:08:4a:cc), Dst: f8:0d:ac:25:d8:69 (f8:0d:ac:25:d8:69)
Internet Protocol Version 4, Src: 192.168.1.200, Dst: 192.168.1.102
User Datagram Protocol, Src Port: 49608, Dst Port: 7788
DIFOP Protocol Data
输入16进制数
字节 1134-1137: imu_qx (imu_qx)
分组: 29542 · 已显示: 12 (0.0%)
配置：Default
https://www.h-schmidt.net/FloatConverter/IEEE754.html
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IEEE-754 Floating Point Converter
Translations: de
This page allows you to convert between the decimal representation of a number (like "1.02") and the binary format used by all modern CPUs (a.k.a. "IEEE 754 floating point").
IEEE 754 Converter, 2024-02
Sign
Exponent
Mantissa
Value:
Encoded as:
Binary:
Decimal Representation
-0.70412225
转换出的浮点数即为可用外参
Value actually stored in float:
Error due to conversion:
Binary Representation
Hexadecimal Representation
bf34415b
Update
As of 2024, the converter has been updated to run fully client side. For this, a browser supporting "Web-Assembly" is required - all current major browser support it. This change may lead to somewhat different behaviour when displaying numbers, but should provide quicker reaction. In case you have any problems, please contact me.
This webpage is a tool to understand IEEE-754 floating point numbers. This is the format in which almost all CPUs represent non-integer numbers. As this format is using base-2, there can be surprising differences in what numbers can be represented easily in decimal and which numbers can be represented in IEEE-754. As an example, try "0.1". The conversion is limited to 32-bit single precision numbers, while the IEEE-754-Standard contains formats with increased precision.
Usage:
You can either convert a number by choosing its binary representation in the button-bar, the other fields will be updated immediately. Or you can enter a binary number, a hexnumber or the decimal representation into the corresponding textfield and press return to update the other fields. To make it easier to spot eventual rounding errors, the selected float number is displayed after conversion to double precision.
Special Values:
You can enter the words "Infinity", "-Infinity" or "NaN" to get the corresponding special