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*
*                               THORSENSOR_VRTC.SET
*
*
*
*   Contains all geometric data and basic calibration and setup data
*
*   Calibration: = Conversion factor from voltage to engineering units
*   (units/V)*
*                   = 1 if data already in engineering units
*
*   Setup:         Calibration value of potentiometer in engineering units
*
*****
*****

*   Thorsensor file
*   Date: 11/29/08

```

```

[CRUX]
  Upper Right
    Link Rear = 79.25;  Link Front = 67.75;  ! Fixed lengths of
linkage arms
    Offset Rear = 18.16; Offset Front = 9.91; ! Fixed vertical
offsets of linkage arms

```

```

    Base
      Calibration = 1.; Setup = 169.3518;
    Mid
      Calibration = 1.; Setup = 72.01164;
    Elbow
      Calibration = 1.; Setup = 244.6895;

```

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  Upper Left
    Link Rear = 79.25;  Link Front = 67.75;
    Offset Rear = 18.16; Offset Front = 9.91;

```

```

    Base
      Calibration = -1.; Setup = 151.6418;
    Mid
      Calibration = 1.; Setup = 256.3945;
    Elbow
      Calibration = 1.; Setup = 74.82515;

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  Lower Right
    Link Rear = 85.60;  Link Front = 73.10;
    Offset Rear = 18.16; Offset Front = 9.91;

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```

    Base
      Calibration = -1.; Setup = 160.5964;
    Mid

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```

        Calibration = 1.; Setup = 230.9136;
    Elbow
        Calibration = 1.; Setup = 172.6564;

Lower Left
    Link Rear = 85.60; Link Front = 73.10;
    Offset Rear = 18.16; Offset Front = 9.91;

    Base
        Calibration = 1.; Setup = 170.6074;
    Mid
        Calibration = 1.; Setup = 76.07653;
    Elbow
        Calibration = 1.; Setup = 204.8654;

[DGSP]
    Right
        stringpot
            Calibration = -1.0; Setup = 155.03
        theta          ! (X - Y rotation)
            Calibration = -1.0; Setup = 160.77
        psi           ! (Z - X rotation)
            Calibration = 1.0; Setup = 153.13

    Left
        stringpot
            Calibration = -1.0; Setup = 188.02
        theta
            Calibration = -1.0; Setup = 154.24
        psi
            Calibration = -1.0; Setup = 163.95

[NECK]

    Neck Force
        Location
            X = 0.; Y = 0.; Z = .0254; ! Location of center of upper
neck LC relative to OC

        FX
            Calibration = 1.0; Setup = .0;
        FY
            Calibration = 1.0; Setup = .0;
        FZ
            Calibration = 1.0; Setup = .0;
        MX
            Calibration = 1.0; Setup = .0;
        MY
            Calibration = 1.0; Setup = .0;
        MZ
            Calibration = 1.0; Setup = .0;

```

#### Rear Spring

##### Top

X = -.060; Y = 0.; Z = .0043;

##### Bottom

X = -.0315; Y = 0.; Z = .0472;

Calibration = 1.0; Setup = .0;

#### Front Spring

##### Top

X = .0381; Y = 0.; Z = -.0086;

##### Bottom

X = .0381; Y = 0.; Z = .0206;

Calibration = 1.0; Setup = .0;

#### Rotation

Calibration = 1.0; Setup = .0;

### [ANKLE]

#### [Lower Tibia]

Mass = .64;

#### Load Cell

X = 0.; Y = 0.; Z = -.0907;

##### FX

Calibration = 1.; Setup = 0;

##### FY

Calibration = 1.; Setup = 0;

##### FZ

Calibration = 1.; Setup = 0.;

##### MX

Calibration = 1.; Setup = 0;

##### MY

Calibration = 1.; Setup = 0.;

#### Accelerometer

X = 0.; Y = 0.; Z = -.0454;

### [Ankle Pot]

#### X Pot

Z = .0150;

Calibration = 1; Setup = 0;

#### Y Pot

Calibration = 1; Setup = 0;

```
Z Pot  
  Z = -.0699;  
  Calibration = 1.; Setup = 0;
```