



- Which values does the Arduino pin read at which temperature?
- Which resistor values give the highest resolution/accuracy?
- Write an Arduino function that returns the temperature measured by the thermistor:

```
double ThermistorToTemperatur(const int pin)
```

```
{
  const int value = analogRead(pin);
  //The magic here
  const double temperature = /* ? */;
```

```
  assert(temperature >= 0.0 && "Temperature is above zero degrees Celsius);
  assert(temperature <= 110.0 && "Temperature is below 110 degrees Celsius);
  return temperature;
```

```
}
```