

## 開発の狙い Development target

感度の高さ、柔軟性をもつ同軸線状構造を活かした接触、振動を検出するセンサ

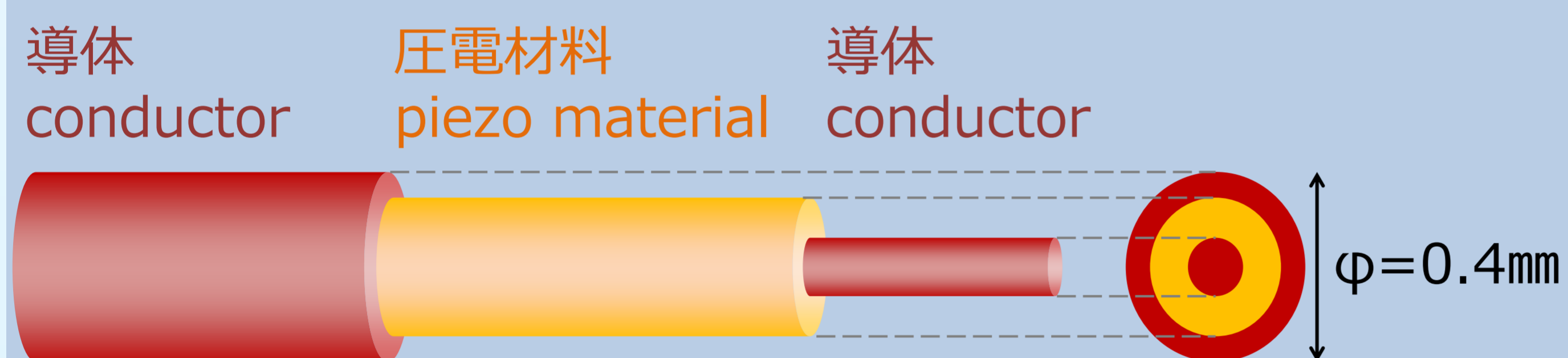
A sensor that detects contact and vibration using a high sensitivity, flexible coaxial linear structure.

## 特徴 Specification

微小な歪変化の検出 線・面・立体に適用可能 超音波領域の振動検出

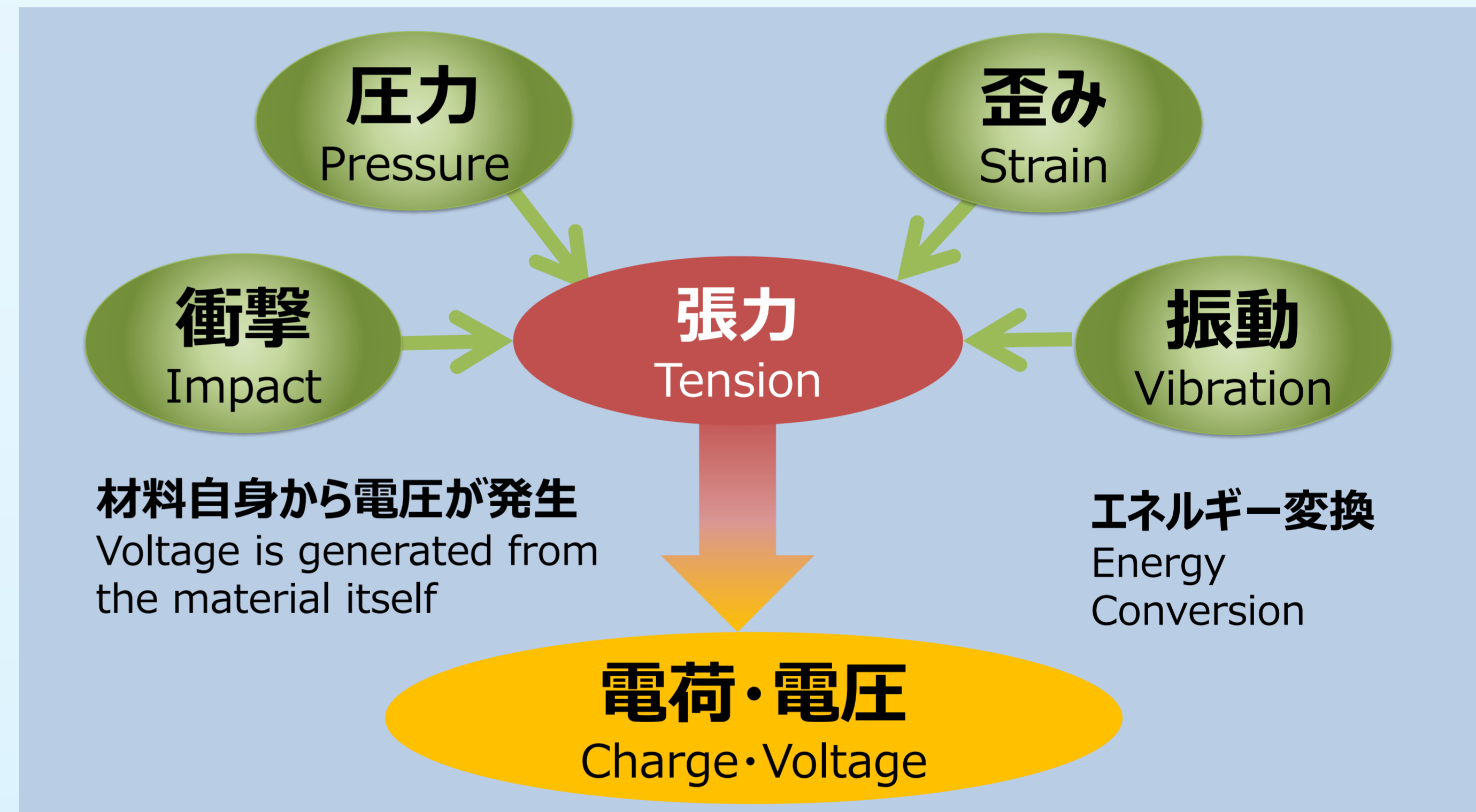
Detection of tiny changes of strain, Simply fixable to 1D, 2D and 3D object, Detection of ultrasonic

## 構造 Structure



同軸線構造(Coaxial Structure)

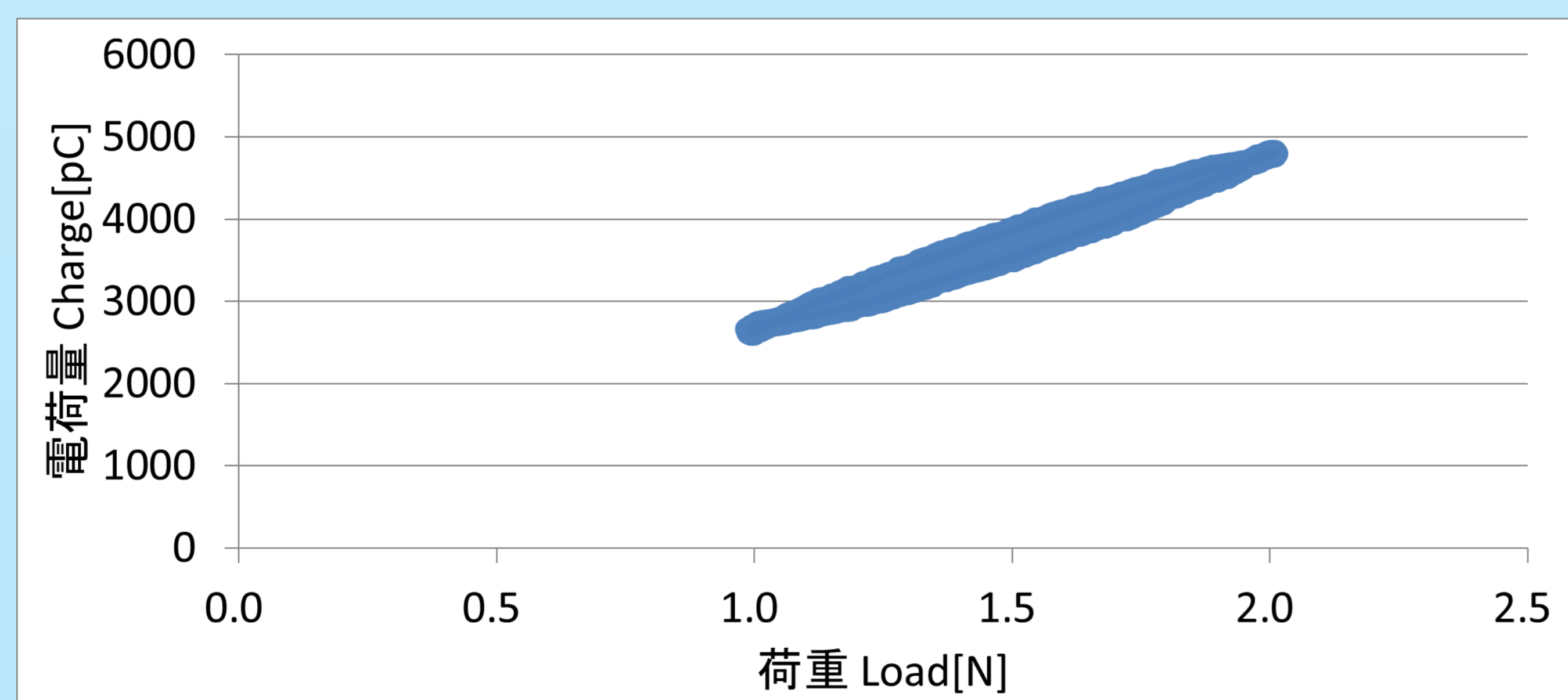
## 原理 Principle



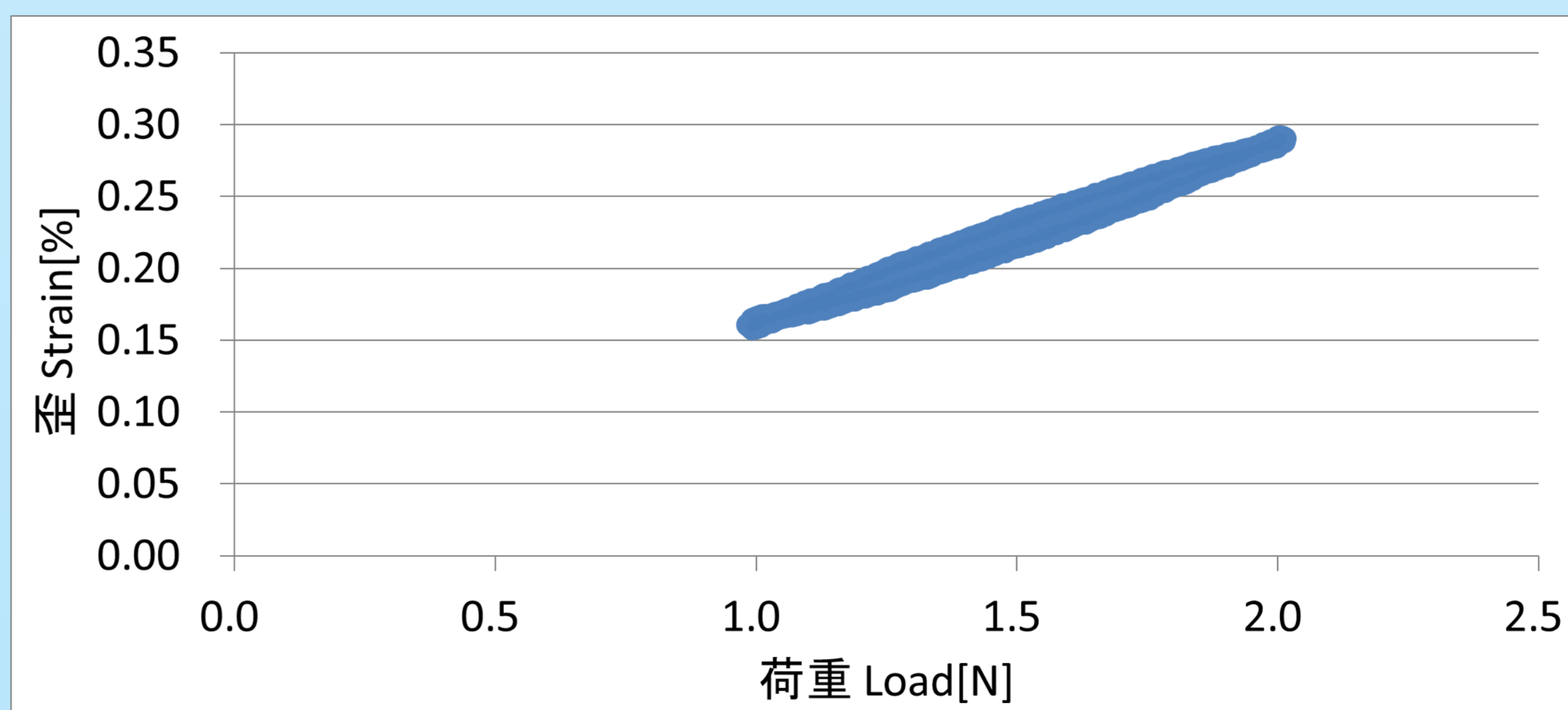
## 物性値※ Features and Specifications※

センサ径 Diameter	0.4mm	使用張力範囲 Working Tension	~2.0N
重量 Weight	0.6g/m	破断強度 Breaking Strength	18N
静電容量 Capacitance	4.6pF/cm	応答周波数 Frequency Response	~125kHz
感度 Sensitivity	12pC/N・mm	使用温度範囲 Operating Temperature	~60°C

## 荷重・電荷特性※ Load and Charge Characteristics※



## 荷重・歪特性※ Load and Strain Characteristics※



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