

# BASIS FOR THE APPROACH

## Steps:

- 1  $p_t = p + q$  is accurate

## $p_t$

- $p_t$ =total pressure,  $p$ =static,  $q$ =dynamic
- pitot tube insensitive to flow angle ( $<0.1\%$ )
- orientation removes normal offset
- redundant measurements  
 $\Rightarrow$ consistency
- still, an assumption