

On nimelt

$$T^{\mu\nu} \vec{e}_\mu \vec{e}_\nu = \dots$$

mille järgi koostame

Tensor on summeer

Näeme, et  $T_{0i}$  on im  
(kirjeldavad impulsi voo  
energia-impulss tenso

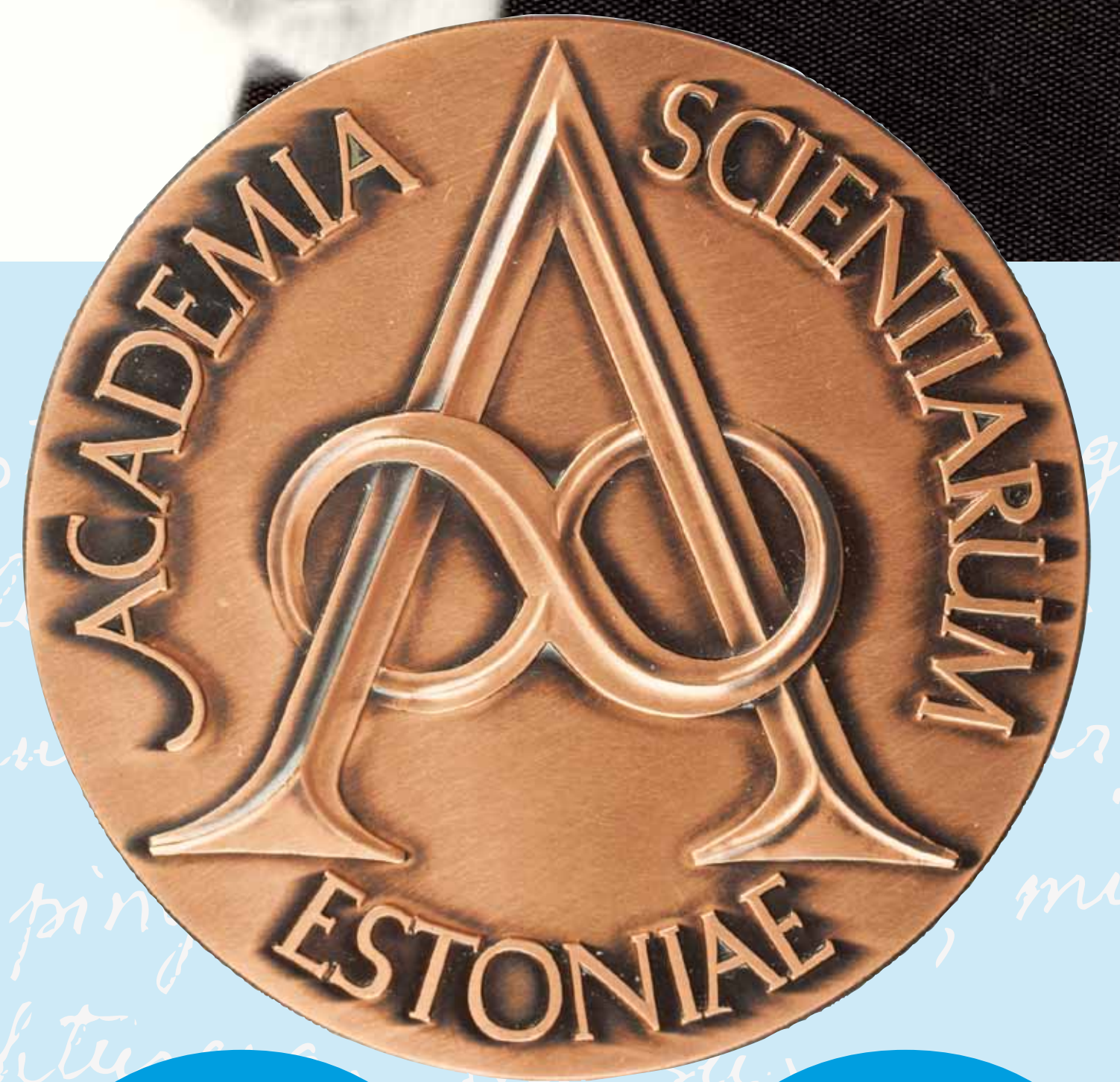
10° Olgu ruum  $R$  täis  
liiguvad igas omaet  
materia). Energia-impulss  
voo eraldi, kusjuures  
punktis antud hetkel

$$\{T^{\mu\nu}\} =$$



akadeemik

# Harald Keres



# 1000

$$\{T^{\mu\nu}\} =$$

$$\begin{cases} \rho & \rho u^1 & \rho u^2 & \rho u^3 \\ \rho u^1 & \rho(u^1)^2 + p^{11} & \rho u^1 u^2 + p^{12} & \rho u^1 u^3 + p^{13} \\ \rho u^2 & \rho u^2 u^1 + p^{21} & \rho(u^2)^2 + p^{22} & \rho u^2 u^3 + p^{23} \\ \rho u^3 & \rho u^3 u^1 + p^{31} & \rho u^3 u^2 + p^{32} & \rho(u^3)^2 + p^{33} \end{cases}$$

$$p^{ik} = p^{ki}$$