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### SHORT COMMUNICATION

- |                   |  |
|-------------------|--|
| L1<br><b>FREE</b> | <p><b>The relation between the <math>E_n</math> values including covariance and the 'exclusive' <math>E_n</math> statistic</b></p> <p><i>Adriana Hornikova and Nien Fan Zhang</i></p> <p><a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a>      Full text: <a href="#">Acrobat PDF</a> (53.1 KB)</p> |
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### LETTER TO THE EDITOR

- |                   |   |
|-------------------|---|
| L3<br><b>FREE</b> | <p><b>Note on invariant redefinitions of SI base units for both mass and amount of substance</b></p> <p><i>B P Leonard</i></p> <p><a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a>      Full text: <a href="#">Acrobat PDF</a> (54.6 KB)</p> |
|-------------------|---|

### PAPERS

- |    |   |
|----|---|
| 1  | <p><b>Bayesian alternative to the ISO-GUM's use of the Welch–Satterthwaite formula</b></p> <p><i>Raghu N Kacker</i></p> <p><a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a>      Full text: <a href="#">Acrobat PDF</a> (174 KB)</p>   |
| 12 | <p><b>Forming a comparison reference value from different distributions of belief</b></p> <p><i>R Willink</i></p> <p><a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a>      Full text: <a href="#">Acrobat PDF</a> (255 KB)</p>   |
| 21 | <p><b>Statistical analysis for multiple artefact problem in key comparisons with linear trends</b></p> <p><i>Nien Fan Zhang, William E Strawderman, Hung-kung Liu and Nell Sedransk</i></p> <p><a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a>      Full text: <a href="#">Acrobat PDF</a> (112 KB)</p> |
| 27 | <p><b>Linear statistical models in the presence of systematic effects requiring a Type B evaluation of uncertainty</b></p> <p><i>Blaza Toman</i></p> <p><a href="#">Abstract</a>   <a href="#">References</a>      Full text: <a href="#">Acrobat PDF</a> (349 KB)</p>  |
| 34 | <p><b>A two-stage Monte Carlo approach to the expression of uncertainty with non-linear measurement equation and small sample size</b></p> <p><i>Stephen V Crowder and Robert D Moyer</i></p> <p><a href="#">Abstract</a>   <a href="#">References</a>      Full text: <a href="#">Acrobat PDF</a> (263 KB)</p>                                 |

42	<b>An analytical method for calculating a coverage interval</b> <i>Pawel Fotowicz</i> <a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a> Full text: <a href="#">Acrobat PDF</a> (130 KB)
46	<b>Mass determinations of a 1 kg silicon sphere for the Avogadro project</b> <i>A Picard</i> <a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a> Full text: <a href="#">Acrobat PDF</a> (226 KB)
53	<b>Primary pressure standards based on dimensionally characterized piston/cylinder assemblies</b> <i>J W Schmidt, K Jain, A P Miiller, W J Bowers and D A Olson</i> <a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a> Full text: <a href="#">Acrobat PDF</a> (282 KB)
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67	<b>Features of Co/C and Ni/C eutectic transitions for use in thermocouple thermometry</b> <i>Yong-Gyoo Kim, Inseok Yang, Su Yong Kwon and Kee Sool Gam</i> <a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a> Full text: <a href="#">Acrobat PDF</a> (169 KB)
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84	<b>Development of low pressure sensor based on carbon nanotube field emission</b> <i>In-Mook Choi and Sam-Yong Woo</i> <a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a> Full text: <a href="#">Acrobat PDF</a> (649 KB)
89	<b>Pair-difference chi-squared statistics for Key Comparisons</b> <i>R J Douglas and A G Steele</i> <a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a> Full text: <a href="#">Acrobat PDF</a> (393 KB)
98	<b>Modelling for realization of a moist gas generator</b> <i>Vincent Carpentier, Mohammed Megharfi and Jacques Quint</i> <a href="#">Abstract</a>   <a href="#">References</a> Full text: <a href="#">Acrobat PDF</a> (154 KB)
106	<b><math>10^{-12}</math> level reproducibility of an iodine-stabilized He–Ne laser endorsed by absolute frequency measurements in the BIPM and UME</b> <i>Ramiz Hamid, Ersoy Sahin, Mehmet Celik, Gönül Özen, Massimo Zucco, Lennart Robertsson and Long Sheng Ma</i> <a href="#">Abstract</a>   <a href="#">References</a> Full text: <a href="#">Acrobat PDF</a> (175 KB)
109	<b>Comparison between frequency standards in Europe and the USA at the <math>10^{-15}</math> uncertainty level</b> <i>A Bauch, J Achkar, S Bize, D Calonico, R Dach, R Hlavac, L Lorini, T Parker, G Petit, D Piester, K Szymaniec and P Urich</i> <a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a> Full text: <a href="#">Acrobat PDF</a> (727 KB)
121	<b>Some effects of temperature variation on sampling oscilloscopes and pulse generators</b> <i>Donald R Larson and Nicholas G Paulter Jr</i> <a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a> Full text: <a href="#">Acrobat PDF</a> (928 KB)
129	<b>On the concept of relative humidity</b> <i>J W Lovell-Smith and H Pearson</i> <a href="#">Abstract</a>   <a href="#">References</a> Full text: <a href="#">Acrobat PDF</a> (238 KB)

- |     |  |
|-----|--|
| 135 | <p><b>Accuracy improvement in the source-based calibration of radiative heat flux sensors by consideration of the temperature non-uniformity of the high temperature blackbody</b><br/> <i>Chul-Woung Park, Dong-Hoon Lee, Bong-Hak Kim, Seung-Nam Park and Hyun-Dong Shin</i><br/> <a href="#">Abstract</a>   <a href="#">References</a> <span style="float: right;">Full text: <a href="#">Acrobat PDF</a> (210 KB)</span></p> |
| 142 | <p><b>Acoustic thermometry: new results from 273 K to 77 K and progress towards 4 K</b><br/> <i>Laurent Pitre, Michael R Moldover and Weston L Tew</i><br/> <a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a> <span style="float: right;">Full text: <a href="#">Acrobat PDF</a> (867 KB)</span></p>   |
| 163 | <p><b>AC longitudinal and contact resistance measurements of quantum Hall devices</b><br/> <i>J Schurr, F-J Ahlers, G Hein, J Melcher, K Pierz, F Overney and B M Wood</i><br/> <a href="#">Abstract</a>   <a href="#">References</a>   <a href="#">Citing articles</a> <span style="float: right;">Full text: <a href="#">Acrobat PDF</a> (1.48 MB)</span></p>  |

## INTERNATIONAL REPORT

- |     |   |
|-----|---|
| 175 | <p><b>News from the BIPM—2005</b><br/> <i>Andrew Wallard</i><br/> <a href="#">Summary</a> <span style="float: right;">Full text: <a href="#">Acrobat PDF</a> (84.8 KB)</span></p> |
|-----|---|

## ERRATUM

- |     |   |
|-----|---|
| 183 | <p><b>Simple flow meter and viscometer of high accuracy for gases</b><br/> <i>R F Berg</i><br/> <a href="#">Summary</a>   <a href="#">Citing articles</a> <span style="float: right;">Full text: <a href="#">Acrobat PDF</a> (27.4 KB)</span></p> |
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