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**BUTSURI-TANSA(Geophysical Exploration)**

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[\[Image PDF \(1545K\)\]](#) [\[References\]](#)**Analytical expressions and distributions of gravity anomalies caused by model bodies with a polygonal shaped horizontal cross section**Toshio Hiroshima<sup>1)</sup> and Masahiko Makino<sup>1)</sup>

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**ABSTRACT** We can find many polygonal gravity anomalies in the gravity map series (1 : 200,000) published by Geological Survey of Japan, AIST. To analyze these gravity anomalies, the authors reviewed the computing equations based on the model bodies (vertical solid polygonal cylinder, polygonal cone, polygonal parabola, ellipsoid and error function shaped bodies). Some characteristics are described in the maps drawn by these computing equations.

**Key words:** gravity, model body, spectrum[\[Image PDF \(1545K\)\]](#) [\[References\]](#)Download Meta of Article [\[Help\]](#)[RIS](#)[BibTeX](#)

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