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SYNOPSIS

203 The Contest Corner: No. 15 *Shawn Godin*

203 Problems: CC71–CC75

205 Solutions: CC21–CC25

210 The Olympiad Corner: No. 313 *Nicolae Strungaru*

210 The Olympiad Corner Problems: OC131–OC135

212 The Olympiad Corner Solutions: OC71–OC75

217 Book Reviews *John McLoughlin*

217 *Excursions in Classical Analysis: Pathways to Advanced
Problem Solving and Undergraduate Research*
by *Hongwei Chen*

218 Focus On . . . : No. 7 *Michel Bataille*

In this installment, the decomposition of rational functions into partial fractions is examined.

222 Problem of the Month: No. 6 *Stéphane Baune*

In this installment a problem involving the hands on a standard clock is solved by examining a general linear equation involving the floor function.

225 Problems: 3841–3850

This month's "free sample" is:

3844. *Proposed by Michel Bataille, Rouen, France.*

Find the intersection of the surface with equation

$$(x^2 + y^2)^2 + (y^2 + z^2)^2 + (z^2 + x^2)^2 = (x + y)(y + z)(z + x)$$

with the plane $x + y + z = 2$.

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3844. *Proposé par Michel Bataille, Rouen, France.*

Trouver l'intersection de la surface d'équation

$$(x^2 + y^2)^2 + (y^2 + z^2)^2 + (z^2 + x^2)^2 = (x + y)(y + z)(z + x)$$

avec le plan $x + y + z = 2$.

230 Solutions: 3587, 3741–3750