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SYNOPSIS

- 354 Skoliad: No. 142 *Lily Yen and Mogens Hansen*
Solutions to the Swedish Junior High School Mathematics Contest, Final Round, 2010/2011, given in Skoliad 136 at [2011 : 409–410] are presented.
- 357 The Contest Corner: No. 9 *Shawn Godin*
- 359 The Olympiad Corner: No. 307 *Nicolae Strungaru*
- 359 The Olympiad Corner Problems: OC101–OC105
- 360 The Olympiad Corner Solutions: OC30, OC41–OC45
- 365 Book Reviews *Amar Sodhi*
- 365 *X and the City : Modeling Aspects of Urban Life*
by *John A. Adam*
- 366 Unsolved Crux Problem : 2025
- 367 Focus On . . . : No. 4 *Michel Bataille*
- In this installment, the barycentric equations of a line are explored.
- 369 Problem of the Month: No. 3 *Ross Honsberger*
- The author looks at a problem of relating the nearest integer function to the integer part function.
- 371 Unsolved Crux Problem : 714

372 On a Problem Concerning Two Conics
Aleksander Simonic

The author investigates the conditions for two conics, not circles, to intersect at four points that are concyclic.

378 Problems: 3781–3790

This month's "free sample" is:

3781. *Proposed by Marcel Chiriță, Bucharest, Romania.*

Solve the equation

$$3^{1-x} + 3^{\sqrt{3x-2x^2}} = 4.$$

.....

3781. *Proposé par Marcel Chiriță, Bucharest, Romania.*

Résoudre l'équation

$$3^{1-x} + 3^{\sqrt{3x-2x^2}} = 4.$$

382 Solutions: 3674, 3681–3690