

CAMBRIDGE
UNIVERSITY PRESS

University Printing House, Cambridge CB2 8BS, United Kingdom
One Liberty Plaza, 20th Floor, New York, NY 10006, USA
477 Williamstown Road, Port Melbourne, VIC 3207, Australia
314–321, 3rd Floor, Plot 3, Splendor Forum, Jasola District Centre,
New Delhi – 110025, India
79 Anson Road, #06–04/06, Singapore 079906

Cambridge University Press is part of the University of Cambridge.

It furthers the University's mission by disseminating knowledge in the pursuit of education, learning, and research at the highest international levels of excellence.

www.cambridge.org

Information on this title: www.cambridge.org/9781108428743

DOI: 10.1017/9781108645683

© Tiberiu Harko and Francisco S. N. Lobo 2019

This publication is in copyright. Subject to statutory exception and to the provisions of relevant collective licensing agreements, no reproduction of any part may take place without the written permission of Cambridge University Press.

First published 2019

Printed and bound in Great Britain by Clays Ltd, Elcograf S.p.A

A catalogue record for this publication is available from the British Library.

Library of Congress Cataloging-in-Publication Data

Names: Harko, Tiberiu, 1953– author. | Lobo, Francisco S. N., author.

Title: Extensions of $f(R)$ gravity : curvature-matter couplings and hybrid

metric-Palatini theory / Tiberiu Harko (University College London),

Francisco S.N. Lobo (Universidade de Lisboa).

Description: Cambridge : Cambridge University Press, [2018] |

Series: Cambridge monographs on mathematical physics |

Includes bibliographical references and index.

Identifiers: LCCN 2018022347 | ISBN 9781108428743 (hardback : alk. paper)

Subjects: LCSH: Expanding universe. | Curvature cosmology. |

Large scale structure (Astronomy) | Gravitation. | Cosmology.

Classification: LCC QB991.E94 H37 2018 | DDC 523.1/8–dc23

LC record available at <https://lcn.loc.gov/2018022347>

ISBN 978-1-108-42874-3 Hardback

Cambridge University Press has no responsibility for the persistence or accuracy of URLs for external or third-party internet websites referred to in this publication and does not guarantee that any content on such websites is, or will remain, accurate or appropriate.